SEQUENCE LISTING

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<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF BREAST CANCER

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<141> 2001-11-30

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gacatgcttg gtcttaagca tcatagcaaa ctcattattt ccaatgaaac aaggattttt 180
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tccattgctc ttctggaccc taagggatga gggaggggac tcagacacaa aacacaaccc 240
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<222> 460
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ctgattcaga agatattgga agctctgagt gctctgacac agattctgaa gagcagggag 180
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accatgcccg ccccaagaaa cacaccacgg accctgacat tgataaaaaa gaaagaaaaa 240
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aaagaaagga gaagacagcc aagacgaaaa aaggcaaata gaatgagaac catattatgt 360
acagtcattt teeteagtte ettttetege etgaactett aagetgeate tggaagatgg 420
cttattggtt ttaaccagat tgtcatcgtg gcactgtctg tgaagacgga ttcaaatgtt 480
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<222> 412
<223> n = A, T, C or G
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agaacattaa gtotttaaaa aggottagga agacataaac agtaaatott tgtttttota 180
ccttcctttg gacagtgtta tatttcactt tcttctttgc aaaatgtttc caaattcatt 240
tgctcaggat ttatttaaga taataactta aaacaactaa cagttgttta tgctatatgc 300
atatcatgca tgttctactg gttcaaggac aaaattaaaa caagatcttc tctgtaaagc 360
aaatatattt attatgcact ttcatataca cagggatttt ttgagtacca angggataaa 420
ataaaacttt tacaatgtga aattcaatgt acattttttgg ctatttacat acctcaaacc 480
aagggaaaaa taaaaagaaa gcatttgttt gcaactacat ttgctgagaa gtgtaaatgg 540
aggacattaa gcaaaacaaa tatttgcata g
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<211> 917
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<213> Homo sapiens
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ctgccactgt aacatctagt tggacaaaac cacaaggagg gggaggagaa aatgccatca 180
ctattatgtt aacaaacatt taatttaaat ggttgctgca ctagtaaatt tctgcagaaa 240
acagttttac ccgcccctt tcacagttcc aaattaatca aggatgcttt tctataatct 300
gatgettage aaattagete atgatteaaa tittgeeete tigaaqeaca tataeetitt 360
attttaaaag tccattatag agaatttgga atatataagg tatttgaatt qcaqaacacc 420
cctctaattc tgttaatata gcaaagacaa aacagtatca tatacatcaa gatcatactt 480
ttaaaqtaaq tttaaaqqtc tcaattqccc aqatattaaa tttatatttt ccttctatta 540
aaaaatatta catttcaatt ttgtaatatt gtaacatatt ttaagatgac cagcaagacc 600
tagtcaattt gaaaataccc ttgcattcca tacacaagct ataccataag taataaccca 660
agtatatgat gtgtaaaagt tggtgaaggt cataatactg aatttttttg caaatgtaaa 720
ctgctttcca agtaatcagc accatttttt actagactac attttaatca cttccttagc 780
tgcttacaac ctctacttag qcataaataa aagaatctga aattggtata tttccccttc 840
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<210> 31 <211> 367

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aaanaatttt ctagcataaa gtcttattaa aaattttaat caaaatatta tttgagttta 180
agtttaataa aacaatacca ctatatatac tctcaacaac ttcattatat aatcagtcct 240
atgaggttgt acttgctttt catatcacac tgattaagga caaaaataat tttgatgtac 300
atgtaccata cactgatatg caatctacac actgatgcat ttacatacat acaaccccaa 360
cacaatg
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<210> 32
<211> 847
<212> DNA
<213> Homo sapiens
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agtectggat tttectaata ateacaaact teeetgette eteeettgtt aaagaatatt 180
atatttgatt gcacaatctt tattataaat tctaaaaqqa qtqcaqtqqa aatcaacact 240
ttgaaatgaa atcgtgaaga ttaccaattt ccttcttttg ttgtttttta tgttgtattt 300
tacatagaaa aataaaccag aaagaaatga gttttaaaaa ccatttagaa ttttttttag 360
ttaatgaatt aagtaatctt aatcacaggt tatattttcc acaacatttt cactttcttt 420
aaagttatgc ttttactagt ttttctaacc cacaaacaag aacacaggag ccacttctat 480
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cctgacacgc ttttaaaagt aaaaaatcgc agaattaaaa tcaaagcagt gtttgactct 600
agagaagttg ggaggattat taagtaagta tttatgttta gctattatgt gccaaaagaa 660
aatgtcagcc tttggggatg gggggaaaga catacaacat tttaaagcca ttttttcag 720
aaaagtaata cttctgttga ttgagaaagt cgtacatagt attatctaaa agagaaacgg 780
aatgttacag actgtttaaa acctggatgt tacagactaa cttactcctt aactgtgttc 840
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<210> 33
<211> 863
<212> DNA
<213> Homo sapiens
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<222> 321, 563, 601, 858
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ageteagaga etattgatet tttgttteat taatatgaac aactattagt aaaaaatage 180
tttaacagca tttctgctga tatctagtaa tctattcttt taatgtgaaa ataagataaa 240
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atgtcctgga gctaattcta gcttaaattt gccagtattt ctgtatgtca ttaagttttt 300
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aatgctgatt gggtaattat aaattctgtg ctaatttaaa acttaatttg cctcttaagg 420
tgattgtcct ctgagtaatg attgtagtta aatgaagtat agcttgcaac tatactatca 480
catgggtcgt taagtaaaaa taaataaacc aaatttgtct gagacaggct aagatcaatc 540
ttctcatcaa accaattttt ctntaagagc aatttcactt tcagttttag ggtggacatt 600
nttgaatgcc tcaaattaaa cgttatctat ttaatcttcc tggaatagtc tgtgaccaaa 660
aaggagggtg tgatatattt aggtgtaaat atatcacata tatggtgtga tatatttggg 720
atttatatat tcagctcatt ctctgtgaag aagtcttcct gactaaaatt ggtttcaaga 780
taaactaatt tctgttagta tttctactct gcctaccatg tatgcctttt tgttagaaac 840
taataaatgt atcagtcnct agc
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<210> 34
<211> 432
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<213> Homo sapiens
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tcatccaaat caagctaaaa tgtatttaag ttgattctga gagtacaggt cagtaagcct 180
cattatttgg aatttgagag aaggtatagg tgatcggatc tqtttcattt ataaaaggtc 240
cagtittiag gactagtaca ticctgttat titctgqqtt tiatcattit qcctaaaata 300
ggatataaaa gggacaaaaa ataagtagac tgtttttatg tgtgaattat atttctacta 360
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acttgttaaa tt
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<213> Homo sapiens
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tgtttgtcca agatggtgat gttcctgctg tcaattagca taaacaaaag agaattctga 180
taccctgttg gaatgtcctc attcctctga gcttctccac tcacaggata aatgcaggag 240
tggetteece teatggacae etgeaaatge agagtgtggg ggeteteetg geeetgeate 300
actagcaaga gcaaaagctg ctccgagtct tgtttttaga acctggtcga
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<210> 36
<211> 1082
<212> DNA
<213> Homo sapiens
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tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaattttgg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta qcatttcaqa qaqtaacatq 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcactct ggatgcccgc ctcgtggagt tcctctgggt gccagatact 360
tacattgtgg agtccaagaa gtccttcctc catgaagtca ctgtgggaaa caggctcatc 420
egectettet ceaatggeae ggteetgtat geecteagaa teaegaeaae tgttgeatgt 480
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ggattgttga ttatttcaca attcaaaacc ccagtaatgt tgatcactat tccaaactac 1020
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<213> Homo sapiens
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tggggctatg atggaaatga tgtggagttc acctggctga gagggaacga ctctgtgcgt 600
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<213> Homo sapiens
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Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
        35
                            40
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
                        55
                                             60
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
                    70
                                        75
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
                85
                                     90
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
            100
                                105
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
                            120
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
                        135
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
                    150
                                        155
                                                             160
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
                165
                                    170
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
                                185
Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
        195
                            200
                                                 205
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
                        215
                                             220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
                    230
                                        235
Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
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                                    250
Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
            260
                                265
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Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu Ser Met Thr Thr Leu
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Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr Asn Cys Phe Ile Lys
                        295
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Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser Phe Val Phe Gly Ala
                   310
                                        315
Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser Leu Gln Gln Met Ala
                325
                                    330
Ala Lys Asp Arg Gly Thr Thr Lys Glu Val Glu Val Ser Ile Thr
            340
                                345
Asn Ile Ile Asn Ser Ser Ile Ser Ser Phe Lys Arg Lys Ile Ser Phe
                            360
                                                365
Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp Tyr Ser Asp Leu Thr
                                           380
                        375
Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe Arg Glu Lys Met Gly
                   390
                                        395
Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro Ser Asn Val Asp His
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                                    410
Tyr Ser Lys Leu Leu Phe Pro Leu Ile Phe Met Leu Ala Asn Val Phe
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Tyr Trp Ala Tyr Tyr Met Tyr Phe
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<213> Homo sapiens
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            20
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Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
                            40
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
                        55
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
                                        75
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
                85
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
                                105
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
        115
                            120
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
                        135
                                            140
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
                   150
                                        155
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
               165
                                    170
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
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185

180

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                            200
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
                        215
                                            220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
                   230
                                        235
Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
                245
                                    250
Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
                                265
Ala Arg Thr Arg Ile Gly Asp Asn Lys Gly Ser Arg Arg Ser Gln Tyr
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Tyr
<210> 41
<211> 265
<212> PRT
<213> Homo sapiens
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            20
                               25
Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
                            40
                                                4.5
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
                       55
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
                    70
                                        75
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
               85
                                    90
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
                                105
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
                            120
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
                        135
                                            140
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
                    150
                                       155
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
               165
                                    170
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
            180
                                185
Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
       195
                           200
                                                205
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
                        215
                                            220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
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Asn Val Leu Tyr Phe Ile Leu Asp Leu Ser Arg Phe Ser Pro Cys Lys
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<222> 494, 556

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Asn Leu His Trp Gly Gln Gln Arg Lys
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<211> 574
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 8
<223> n = A, T, C or G
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aatttgggaa aacctatgat tacaagtaaa aactcagaaa tgcaaagatg ttggttttt 180
gtttctcagt ctgctttagc ttttaactct ggaaacgcat gcacactgaa ctctqctcag 240
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atcagtgtat gttgcaccag aatcagcatt tttttttaa ctgcaaaaaa tgatggtctc 360
atctctgaat ttatatttct cattcttttg aacatactat agctaatata ttttatgttg 420
ctaaattgct tctatctagc atgttaaaca aagataatat actttcgatg aaagtaaatt 480
ataggaaaaa aattaactgt tttaaaaaga acttgattat gttttatgat ttcaggcaag 540
tattcatttt taacttgcta cctactttta aata
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<210> 43
<211> 467
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 242, 263
<223> n = A, T, C \text{ or } G
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tccgtagctg gtttctcacc ataccctgca gttctgtgag ccaaaggtct tgcagaaagt 180
taaaataaat cacaaagact gctgtcatat attaattgca taaacacctc aacattgctc 240
anagtttcat ccgtttggtt aanaaaacat tccttcaatt catctatqqc atttqtaqtq 300
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tgggagaggg ccgccagcat gaggaccatc agcaacttca tggtgag
<210> 44
<211> 613
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

```
<223> n = A, T, C or G
<400> 44
tttttttttt tttttttag ttttaaaata ttttcacttt attattatgc ttataatatt 60
attccaacag actgtattaa aggcagtgat cactaacaca gaacacgaca gggcgaagag 120
gcagccgggc cgattgcagg acqtgqcctg tcgggccagg qtcqctqaca tqcacqctqg 180
tagctcatac actgctaccc tcagcacagg ctgcaggaat agggacaaga cagatgccgc 240
cggactetta gaagetattt aataaatate atecaaaaac aaaatggaaa agaaacaaga 300
aacceteega geacaaccae ettaggeeaa etgaatgtaa tetagtttat teaaccaaaa 360
attgagagag aaggaaaata ttgaaacaaa caaacgaaag aaagcagttc ttaagactag 420
cagtaaataa atttatacaa cagttcggtc tgtataatat gatgaaataa atctacatct 480
tttcttattt tggngctttg aattatacat acaaacaaca attacaggga cttgttcaca 540
aagcatgtag gcctanaaaa aggctetetg aaacceteaa tggcaactgg tgaacggtaa 600
cactgattgc cca
                                                                   613
<210> 45
<211> 334
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 309
<223> n = A, T, C or G
<400> 45
accagaccaa gtgaatgcga cagggaatta tttcctgtgt tgataattca tgaagtagaa 60
cagtataatc aaaatcaatt gtatcatcat tagttttcca ctgcctcaca ctagtgagct 120
gtgccaagta gtagtgtgac acctgtgttg tcatttccca catcacgtaa gagcttccaa 180
ggaaagccaa atcccaqatg agtctcaqag agggatcaat atgtccatga ttatcaggta 240
tgctgactat ttccaagggg tttttcagtt gcttcatttg cttgtaaagc aggtaatcct 300
cttgttgtnt tttctttttc tcgatgagcc gtgt
                                                                   334
<210> 46
<211> 429
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 392
<223> n = A, T, C or G
<400> 46
acaattttnt taaacaagca gaatagcact aggcagaata aaaaattgca cagacgtatg 60
caattttcca agatagcatt ctttaaattc agtattcagc ttccaaaqat tqqttqccca 120
taatagactt aaacatataa tgatggctaa aaaaaataag tatacgaaaa tgtaaaaaaag 180
gaaatgtaag tccactctca atctcataaa aggtgagagt aaggatgcta aagcaaaata 240
aatgtaggtt cttttttct atttccqttt atcatqcaqt ctqcttcttt qatatqcctt 300
agggttaccc atttaagtta gaggttgtaa tgcaatggtg ggaatgaaaa ttgatcaaat 360
atacacettg teattteatt teaaattgeg gntggaaact teeaaaaaaa gggtaggeat 420
gaagaaaaa
                                                                   429
```

<210> 47

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<211> 394
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 8, 42
<223> n = A, T, C or G
<400> 47
acgcgaantt gtgttatgac tgatagcctt cagctacaaa angataggac tgacctggtt 60
taaagtgttc tattttgtaa atcattccat ttgagtcttt ctgatgaact tggctatact 120
tgactattaa aaaacataac tttctaggag ctataaatca aagttttaaa aagatgtttg 240
gatatatttg agtattccga tcatgaaaac agaaattgcc ctgcctacta caaggacaga 300
ctgatgggaa attatgcacc tggtcaactt agcttttaag cagacgatgc tgtaaaaaca 360
aacggcttct ctgatattta ttgtaagttt tagt
                                                                 394
<210> 48
<211> 486
<212> DNA
<213> Homo sapiens
<400> 48
acaaaggaac cgaggggtga ccacctctga gatgtccttg actttgtcat agcctggggc 60
atattgagca teteteteae agetgeettt ettateeeea ttettgatgt agaeeteett 120
ccgagtcagc tttttctcct cctcagacac aaacagagct ttgatatcct gtgcagggag 180
cagetettee ttttgttget ggeaagtggt agttggagga ageeteaaag etegagttgt 240
teceteggtg caggggagae aaatgggeet gatagtetgg ceatatttea gettattett 300
gagettgate agggeaacgt catagteata aaatteagga atteetgett ettttteee 360
attaatgttg tagttggggt gaaataggac tacttctatc tccaggtccc gcttctcccc 420
tecettgatt gagtgtteet tgteateeae agtgaaacaa tgtgetgetg teageacaaa 480
gtacct
                                                                 486
<210> 49
<211> 487
<212> DNA
<213> Homo sapiens
<400> 49
acgggctgac agagaagatt cccgagagta aatcatcttt ccaatccaga qgaacaagca 60
tgtctctctg ccaagatcca tctaaactgg agtgatgtta gcagacccag cttagagttc 120
ttctttcttt cttaagccct ttgctctgga ggaagttctc cagcttcagc tcaactcaca 180
gettetecaa geateaceet gggagtttee tgagggtttt eteataaatg agggetgeae 240
attgcctgtt ctgcttcgaa gtattcaata ccqctcaqta ttttaaatga agtgattcta 300
agatttggtt tgggatcaat aggaaagcat atgcagccaa ccaagatgca aatgttttga 360
aatgatatga ccaaaatttt aagtaggaaa gtcacccaaa cacttctgct ttcacttaag 420
tgtctggccc gcaatactgt aggaacaagc atgatcttgt tactgtgata ttttaaatat 480
ccacagt
<210> 50
<211> 460
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 415, 459
<223> n = A, T, C or G
<400> 50
acatattttg gttgaagaca ccagactgaa gtaaacagct gtgcatccaa tttattatag 60
ttttgtaagt aacaatatgt aatcaaactt ctaggtgact tgagagtgga acctcctata 120
tcattattta gcaccgttta tgacagtaac catttcagtg tattgtttat tataccactt 180
atatcaactt atttttcacc aggttaaaat tttaatttct acaaaataac attctgaatc 240
aagcacactg tatgttcagt aggttgaact atgaacactg tcatcaatgt tcagttcaaa 300
agcctgaaag tttagatcta gaagctggta aaaatgacaa tatcaatcac attaggggaa 360
ccattgttgt cttcacttaa tccatttagc actattgaaa ataagcacac caagntatat 420
gactaatata acttgaaaat tttttatact gagggggtng
                                                                   460
<210> 51
<211> 529
<212> DNA
<213> Homo sapiens
<400> 51
acacttgaaa ccaaatttct aaaacttgtt tttcttaaaa aatagttgtt gtaacattaa 60
accataacct aatcagtgtg ttcactatgc ttccacacta gccagtcttc tcacacttct 120
tctggtttca agtctcaagg cctgacagac agaagggctt ggagattttt tttctttaca 180
attcagtctt cagcaacttg agagctttct tcatgttgtc aagcaacaga gctgtatctg 240
caggiticgta agcatagaga cggittigaat atciticcagit gataticggci ctaactigica 300
gagatgggtc aacaaacata atcctgggga catactggcc atcaggagaa aggtgtttgt 360
cagttgtttc ataaaccaga ttgaggagga caaactgctc tgccaatttc tggatttctt 420
tattttcagc aaacactttc tttaaagctt gactgtgtgg gcactcatcc aagtgatgaa 480
taaatcatca agggtttgtt gcttgtcttg gatttatata gagcttctt
<210> 52
<211> 379
<212> DNA
<213> Homo sapiens
<400> 52
actttgccaa gcagtaaagg atccaggaga tagcactgga tgtggtgtca tgtcctgcaa 60
acatgaacgt tttcacttca gcctggagat ctgcttcaga gaaatctttg gtgttttcgc 120
ttttggcact caaaagtatg tccagaaaat cccagcgcct tttctgagta gtatcttgtt 180
ttagcttatc cttaagagac tccttccggt cctggattac tttctctgtg aactgatgaa 240
gttcttggtt aaatttagaa aagatttggc cttgagagct gaatttgaaa accaggtcgt 300
tgtgatgtag aaaattgttc atgcgctggt tggagatttt gctaaggttg aacactgctt 360
tcaggtatga gtccagggt
                                                                   379
<210> 53
<211> 380
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 260, 284, 285, 372, 377
```

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<223> n = A, T, C or G
<400> 53
acttttatct taaaagggtg gtagttttcc ctaaaatact tattatgtaa gggtcattag 60
acaaatgtct tgaagtagac atggaattta tgaatggttc tttatcattt ctcttccccc 120
tttttggcat cctggcttgc ctccaqtttt aggtccttta gtttqcttct gtaaqcaacg 180
ggaacacctq ctgaggggc tctttccctc atgtatactt caagtaagat caagaatctt 240
ttgtgaaatt atagaaattn actatgtaaa tgcttgatgg aatnntttcc tgctagtgta 300
gettetgaaa ggegetttet ceatttattt aaaactaeee atgeaattaa aaggtaeett 360
gccgcgacca cnctaanggc
<210> 54
<211> 245
<212> DNA
<213> Homo sapiens
<400> 54
gegeggeget teacttette aactteeggt eeggetegee eagegegetg egagtgetgg 60
ccgaggtgca ggagggccqc gcgtggatta atccaaaaga gggatgtaaa gttcacgtgg 120
tetteageae agagegetae aacceagagt etttaettea ggaaggtgag ggaegtttgg 180
ggaaatgttc tgctcgagtg tttttcaaga atcagaaacc cagaccaacc atcaatgtaa 240
cttgt
                                                                   245
<210> 55
<211> 556
<212> DNA
<213> Homo sapiens
<400> 55
acagaagatg aataataatg aaaaactgtg attttttgac tatcacatac attgtgttaa 60
aaaacaggta aatataatga ctattactgt taagaaagac aaggaggaaa actgtttcaa 120
tgttcaggtt taaatactaa gcacaaaaat ataacaaatt ctgtgtctac aataattttt 180
gaagtgtata caagtgcatt gcaaatgagc tctttaaaat ttaaagtcca tttccccttt 240
agccaagcat atgtctacat ttatgatttc tttctcttat tttaaagtct cttctggttt 300
agttttttaa aaagtttcat catggctgtc atcttggaat ctagcctcca gctcaaagct 360
gagacttcac gcatacatat teteetttet ggttgcatet teacetagtt tetecaagta 420
ttcagagtta aatagcacaa cttctttat atgttcactt ttgtccacat gtagtggcag 480
tgctgctgct tcagtaggct ttctcacaca cccttttcct tctttcaaca gcagtcacca 540
                                                                   556
aacgttcaca acacaa
<210> 56
<211> 166
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 36, 37, 58, 113, 118, 131, 133, 162
<223> n = A, T, C or G
<400> 56
atgggccctg attacatcat tatgaactac tcaggnnaac atcccaaata ccgacctngg 60
gaaagacttg gtccgagatg tgttcatcca tacaggctac ctcttccaga gcncaggncc 120
caagagetge ntnateacet acetggeeca ggtggaecee anaggg
                                                                   166
```

4

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<210> 57
<211> 475
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 7, 452
<223> n = A, T, C or G
<400> 57
acatecneat gtteeteeaa atgaegtttg gggteetget tgeeaacatt etttattgee 60
agctgttcag gtgtcatctt atcttcttct tctacagcct tattgtaatt cttggctaat 120
tecaacatet ettttaceae tgatteattg egtttacaat gtteaetgta gteetgaagt 180
gtcaaacctt ccatccaact cttcttatgc aaatttagca acatcttctg ttccagttca 240
tttttccgat agttaatagt aatggagtaa taatgtctgt ttagtccatg aattaatgcc 300
tggatagatg gcttgtttaa gtgacccaga ttcgaagttg tttgtcttgg ttcatgtcct 360
aagaccatca tattagcatt gatcaatctg aaggcatcaa taacaacctt tccttttaca 420
ctctgaatgg gatccacaac cactgccaca gntctctccg ataaggcttc aaagc
<210> 58
<211> 520
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 7, 397
<223> n = A,T,C or G
<400> 58
actgttnatg tgctacttgc atttgtccct cttcctgtgc actaaagacc ccactcactt 60
ccctagtgtt cagcagtgga tgacctctag tcaagacctt tgcactagga tagttaatgt 120
gaaccatggc aactgatcac aacaatgtct ttcagatcag atccatttta tcctccttgt 180
tttacagcaa gggatattaa ttacctatgt tacctttccc tgggactatg aatgtgcaaa 240
attccaatgt tcatggtctc tccctttaaa cctatattct acccctttta cattatagaa 300
aggaatgctg gaaacccaga gtccttctct tgggactctt aatgtgtatt tctaattatc 360
catgactett aatgtgeata titteaattg eetaatngat tieaattgte taagacattt 420
caaatgtcta attggggaga actgagtctt ttatatcaag ctaatatcta gcttttatat 480
caagctaata tcttgacttc tcagcatcat agaagggggt
                                                                    520
<210> 59
<211> 214
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 34, 120, 153, 159, 171, 179, 184, 194, 197
\langle 223 \rangle n = A, T, C or G
<400> 59
ctggcaggaa atgcatcaaa agacttaaag gtanagcgta ttacccctcg tcacttgcaa 60
```

```
cttgctattc gtggagatga agaattggat tctctcatca aggctacaat tgctggtggn 120
ggtgtcattc cacacatcca caaatctctg atngggaana aaggacaaca naagactgnc 180
taanggatgc ctgnatncct tggaatctca tgac
<210> 60
<211> 360
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 33
<223> n = A, T, C or G
<400> 60
gcatacaaca tggcagcagg gcctcgggaa gangggtagg aggaccgagc agcattctct 60
gtagaggaag acaggaaagg agaccetett ggcacacatt tatggagggt tgteeetgaa 120
gagaagggca ggtgggagag gttccctgtt acttaagaga aggcaccagt ggcaaagagc 180
acaatgaaga ggatgatgat aaaaacaatc acgcagataa ggacaatcat cttcacgttc 240
ttccaccaga attttcgagc caccttctgc gatgtcgtct tgaagtgctc agatgtggct 300
tecagatect etgtettgtt geggagatgt tecaagtttt eeeceeggge eaggateege 360
<210> 61
<211> 391
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 2, 56, 60, 92, 135, 176, 264, 308, 323, 345, 377, 378
<223> n = A, T, C or G
<400> 61
tntgggatcg tactcgatta aacagagcca cctttgttcc tgaggcaatg cataantcan 60
catttttcaa tgactgcttc tttttggaag gnttggagat gacttttatc cgcttgctga 120
ggaacacacc aatgncatca ctgttgccat agaacatctt tacagacaac atgaantgct 180
ttcgcttgtc tgagtcagat atatacaatg ttttggctgt gcaatagttc tttccttcca 240
agtttagctg ctgcatttct tggncactat ttcctatccc aataaatgca cacgqttqag 300
actettgnte agaacaacca tenegtteea tttgttettt ttttntette catecactge 360
ccataagata tacacannga ggtgggcaaa a
                                                                   391
<210> 62
<211> 324
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 223, 291, 302, 304, 316, 317
<223> n = A, T, C or G
<400> 62
acaattttat tttaacagat ttcaagagtc cattttttaa aaaatgagca ataaagaacc 60
```

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tctatcagtg agacttctca ttttatagca aatacatttt tgcagcttaa attttcttga 120
attcatatac gcttctgtca tttaaacaaa cttccagaga aaactggtct ctatatattt 180
aagtaacaaa tttgacaaaa tacatattta tacatatata ganctctaat ataaatatta 240
aatttgaaaa aatcaaatgt gaagcagaaa ctgctataca agtatattgt ntaatatcta 300
tntnatacat taaagnnttc cggg
<210> 63
<211> 360
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 6, 7
<223> n = A, T, C or G
<400> 63
acagannect tgaatatgtt gtggtteect cattatggee etteatteee ttetgtgtta 60
atagtaaagc atgttgccta ataactacaa ccctgaccaa atttgggcct ggatctcatg 120
ggtcacgtgg agttttaaat acgatttta atttacttgg gtaattgagc tgaatcttta 180
gttttcagat tacttttta aacagatagg ctcttagaac aaattattaa aaacataata 240
ccccattgga ggggaatctg gattaactac ccactgttcc caccccccc aacttttgaa 300
aaattttggc catatagaat gcatgaaaaa tcaggtatga tcttatgagg actttatagt 360
<210> 64
<211> 491
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 403, 443, 464
<223> n = A, T, C or G
<400> 64
nctgactgtg atgtccactt gttccctgat ttttacacat catgtcaaag ataacagctg 60
ttcccaccca ccagttcctc taagcacata ctctgctttt ctgtcaacat cccattttgg 120
ggaaaggaaa agtcatattt attcccgcac cccagttttt taacttgttc tcccagttgt 180
ttaatggtgg ggggctactg gagaggagag acagcaagtc caccctaact tgttacacag 300
cacataccac aggttctgga attctcatct tcgaacctag agaaataggt gctataaaca 360
gggaattaag caaaatgctg gatgctatag atcttttaat tgncttaatt ttttttctat 420
tattaaacta caggetgtag atntettagg teteacagaa ettntateat tttaaactga 480
cttgtatatt t
                                                                491
<210> 65
<211> 484
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 319
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\langle 223 \rangle n = A, T, C or G
<400> 65
accagcacac cggcgccgtc ctggactgcg ccttctacga tccaacgcat gcctggagtg 60
gaggactaga tcatcaattg aaaatgcatg atttgaacac tgatcaagaa aatcttgttg 120
ggacccatga tgcccctatc agatgtgttg aatactgtcc agaagtgaat gtgatggtca 180
ctggaagttg ggatcagaca gctaaactgt gggatcccag aactccttgt aatgctggga 240
ccttctctca gcctgaaaag gtatataccc tctcagtgtc tggagaccgg ctgattgtgg 300
gaacagcagg ccgcagagng ttggtgtggg acttacggaa catgggttac gtgcagcagc 360
gcagggagtc cagcctgaaa taccagactc gctgcatacg agcgtttcca aacaagcagg 420
gttatgtatt aagetetatt gaaggeegag tggeagttga gtatttggae ceaageeetg 480
aggt
                                                                    484
<210> 66
<211> 355
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1
<223> n = A, T, C or G
<400> 66
ngaagaaagt atgggtggag gtgaaggtaa tcacagagct gctgattctc aaaacagtgg 60
tgaaggaaat acaggtgctg cagaatcttc tttttctcag gaggtttcta gagaacaaca 120
gccatcatca gcatctgaaa gacaggccc tcgagcacct cagtcaccga gacgcccacc 180
acatecactt cececaagae tgaceattea tgeeceacet caggagttgg gaceaceagt 240
tcagagaatt cagatgaccc gaaggcagtc tgtaggacgt ggccttcagt tgactccagq 300
aataggtggc acgcaacagc atttttttga tgatgaagac agaacagttc caagt
                                                                    355
<210> 67
<211> 417
<212> DNA
<213> Homo sapiens
<400> 67
acgacacccc tcaagaggtg gccgaagctt tcctgtcttc cctgacagag accatagaag 60
gagtcgatgc tgaggatggg cacagcccag gggaacaaca gaagcggaag atcgtcctgg 120
accetteagg etecatgaae atetacetgg tgetagatgg ateagaeage attggggeea 180
gcaacttcac aggagccaaa aagtgtctag tcaacttaat tgagaaggtg gcaagttatg 240
gtgtgaagtc aagatatggt ctagtgacat atgccacata ccccaaaatt tgggtcaaaq 300
tgtctgaagc agacagcagt aatgcagact gggtcacgaa gcagctcaat gaaatcaatt 360
atgaagacca caagttgaag tcagggacta acaccaagaa ggccctccag gcagtgt
<210> 68
<211> 223
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 29
<223> n = A, T, C or G
```

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<400> 68
cacttgcaag cttgcttaca gagacctgnt aaacaaagaa cagacagatt ctataaaatc 60
agttatatca acatataaag gagtgtgatt ttcagtttgt ttttttaagt aaatatgacc 120
aaactgacta aataagaagg caaaacaaaa aattatgctt ccttgacaag gcctttggag 180
taaacaaaat gctttaaggc tcctggtgaa tggggttgca agg
<210> 69
<211> 396
<212> DNA
<213> Homo sapiens
<400> 69
acctttttc tctccaaagg aacagtttct aaagttttct ggggggaaaa aaaacttaca 60
tcaaatttaa accatatgtt aaactgcata ttagttgtgt tacaccaaaa aattgcctca 120
gctgatctac acaagtttca aagtcattaa tgcttgatat aaatttactc aacattaaat 180
tatcttaaat tattaattaa aaaaaaaact ttctaaggaa aaataaacaa atgtagaccg 240
tgattatcaa aggattatta aagaatettt accaaaaatt teaaceetac aacetaaaac 300
cgcaaatttc tatttttaaa catcagaaaa taactcttgg ttcattactt atgacccaaa 360
gtttttattt cactattcaa tatctgaaaa gtatca
<210> 70
<211> 402
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 6, 7, 38, 327, 367
<223> n = A, T, C or G
<400> 70
acceannece acceaggeaa acageteega catgtttngt aagtgagaca ageeagtgea 60
agttttttt ttttttcct ttttctttt tttgtctttt gcttaccttc ttgcttaatg 120
gaattgttat ggctaagcac atagaaggcc aaaaaaggag tttttcaaac ccagcaaatc 180
aagtgcttgg attctgaact gccaaaagaa aactgcactt cccctcttaa gtaaaacgaa 240
atgagtttct taggtaaatg tattcatcag cccagataaa aaaaaaacca qttatqtqaq 300
cgttagtcac tgctcatttc caggaanatc aaacaaaata ccagcccagc cagactcaca 360
tgtgggnata tatatataaa gcaagagagc cacacccaca ag
                                                                   402
<210> 71
<211> 385
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 229, 292, 382
<223> n = A, T, C or G
<400> 71
accagtagag agtggcccct gcaggccact tataaacagg aagctctctc ctgagctcac 60
tgatcaacct gcccttggca cagacagaac ctaccagaaa agaacaagta caaaacacta 120
tcattatctg ttttctcaag acagtcccaa atgtccttgt gcgatcgcca caaactcagt 180
```

```
gattggccca agtcattccc gggtgccata aacagtaact ggtgtgcanc attagaacaa 240
ggggacacgg cettgattet ettetgagea acatgaactg ggatttetge eneceeggat 300
ctcggctgcc acctccgaag aagtcgtgac cagccacctc cacagtaaaa gattcctccc 360
gtgagtatga tttggaatgc gncct
<210> 72
<211> 538
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 326
<223> n = A, T, C or G
<400> 72
caattaatta acagaggtat aattgtctca ctttcagaag tgatcattta tttttattta 60
gcacaggtca taagaaaaat atatagaaaa ataatcaatt tcatatataa aaggattatt 120
tetecacett taattattgg cetateattt gttagtgtta tttggteata ttattgaact 180
aatgtattat tooattoaaa gtotttotag atttaaaaat gtatgcaaaa gottaggatt 240
atatcatgtg taactattat agataacatc ctaaaccttc agtttagata tataattgac 300
tgggtgtaat ctcttttgta atctgntttg acagatttct taaattatgt tagcataatc 360
aaggaagatt taccttgaag cactttccaa attgatactt tcaaacttat tttaaagcag 420
tagaaccttt tctatgaact aagtcacatg caaaactcca acctgtaagt atacataaaa 480
tggacttact tattcctctc accttctcca ggcctaggaa tattcttctc tggagccc
<210> 73
<211> 405
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 8, 9, 39
<223> n = A, T, C or G
<400> 73
actttatnna tggaatttte ttetaettgt atceatttne eggggettat ggaeceatte 60
atacteteca tatttagaat caaaggttee tttetgaaga gaeettaatt ttaaggtaaa 120
acgtggtcca agttcctgaa ttcccacttt cttttcactc ctgaatatgt atctgtgaaa 180
tetgaagaat atgtaateee gttgattgtg gaatgtggca acetgeette egataaattg 240
aggattatga ggaaagagag atgcaaacat acgtccaatt gaatgaccca gccgtgttgt 300
aaaattattc agaattattt caggtatgtg ttctgtgggg tccttgcctc ttctcttaat 360
ttctttacga agacgaacac tgctcatttt aaaatgagca gttgg
                                                                   405
<210> 74
<211> 498
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 34
<223> n = A, T, C or G
```

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<400> 74
tgagccctgc acctgtttcc tgcaccccct gccnactggt tctatggcca caaggagttt 60
tacccagtaa aggagtttga ggtgtattat aagctgatgg aaaaataccc atgtgctgtt 120
cccttgtggg ttggaccctt tacgatgttc ttcagtgtcc atgacccaga ctatgccaaq 180
attctcctga aaagacaaga tcccaaaagt gctgttagcc acaaaatcct tgaatcctgg 240
gttggtcgag gacttgtgac cctggatggt tctaaatgga aaaagcaccg ccagattgtg 300
aaacctggct tcaacatcag cattctgaaa atattcatca ccatgatgtc tgagagtgtt 360
cggatgatgc tgaacaaatg ggaggaacac attgcccaaa actcacgtct ggagctcttt 420
caacatgtet ecetgatgae eetggaeage ateatgaagt gtgeetteag eeaceaggge 480
agcatccagt tggacagt
<210> 75
<211> 458
<212> DNA
<213> Homo sapiens
<400> 75
agecttgeae atgatactea gattesteae cettgettag gagtaaaaca atatacttta 60
cagggtgata ataatctcca tagttatttg aagtggcttg aaaaaggcaa gattgacttt 120
tatgacattg gataaaatct acaaatcagc cctcgagtta ttcaatgata actgacaaac 180
cattleacag cttttccagt taaattggag cactgaacgt tcagatgcat accaaattat 300
gcatgggtcc taatcacaca tataaggctg gctaccaqct ttgacacaqc actgttcatc 360
tggccaaaca actgtggtta aaaacacatg taaaatgctt tttaacagct gatactgtat 420
aagacaaagc caagatgcaa aattaggctt tgattggc
<210> 76
<211> 340
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 15, 255, 283
<223> n = A, T, C or G
<400> 76
accttatacc aaaanaatgc ttattccaaa atattttttg tagctagtag ttctttcctt 60
ggaggtaaag aaaatacacc caaactttta attaccagga ttcagaatat ttaagagaac 120
aattttagtt aagaatcaaa tatactgaga ttcaaagagg ggaaaaaaag gaaatattat 180
agaagacaaa ggtcaaactg gcattccaga tctggagcaa ttttgtaaag caggaaaaca 240
actatgacaa tctgnagctt cttagatcat tatagtgaat gtncccattt actataaggg 300
tttttataat ggtgtttcct aaataaagga acataaatgt
                                                                340
<210> 77
<211> 405
<212> DNA
<213> Homo sapiens
<400> 77
actccatttg tggaactcgt gtcggagtct ggtaaacagc cgaatgtctt cctccctac 60
agtttcctct ccttgcatga gagcagtgat gtcctgatta aaggcattaa ttttatctat 120
caggaagaac atttttcat tttcgtcttc cggtatgtcg acaccatact tttgtagctc 180
```

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ctctgttatt ctctggtgag tctccttgat ttgattttct aacaggggca gagatttaca 240
gatatgtgtg atgagetege tggtaagttt ttetgeeagg cagggaaceg tggeetttee 300
ttootocago agatoootga aatatgggtg gttotoaaag aagatottot otototgoag 360
ggcttcggac aggctcagct ggtcctggat ctcctgctgg ccccg
<210> 78
<211> 410
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 8, 10
<223> n = A, T, C or G
<400> 78
acagcagntn tagatggctg caacaacctt cctcctaccc cagcccagaa aatatttctg 60
ccccacccca ggatccggga ccaaaataaa gagcaagcag gccccttca ctgaggtgct 120
gggtagggct cagtgccaca ttactgtgct ttgagaaaga ggaaggggat ttgtttggca 180
ctttaaaaat agaggagtaa gcaggactgg agaggccaga gaagatacca aaattggcag 240
ggagagacca tttggcgcca gtcccctagg agatgggagg agggagatag gtatgagggt 300
aggcgctaag aagagtagga ggggtccact ccaagtggca gggtgctgaa atgggctagg 360
accaacagga cactgactct aggtttatga cctgtccata cccgttccac
                                                                   410
<210> 79
<211> 512
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 35, 36, 474, 479
<223> n = A, T, C or G
<400> 79
acagtgaaaa acaaactaat ataaagcatt ccagnngata aaaacctcct caggcttatg 60
gtttgttttc caaggaaatt atgtttcaat gtaaagtttg aaatactcca gacatacatt 120
ccatgtaggt tttgggtgcc aatgttaaaa tttcaaattt tgcatgcaag gcttagcaaa 180
gaaacactgg cagaattcca gcatttgcaa aattctaagt tttggtgaat attgtaaata 240
ttacaattgg tattagaaag ccatgatgaa tccagaatta agagaaaacc catttcataa 300
atattttgtt tgattaaaaa ataccaggct taccatgttc taaataacac aagaaaatat 360
ctttaaaaaa aaaaggactg caatttaaca gtaatctgta tatctttagc tgccattaaa 420
aaaagaaaaa agaacaacca aaaacaatga aaatgttaca actggtataa agtnacccna 480
tgatgctccc cttacgagaa aacaaaactg tc
                                                                   512
<210> 80
<211> 174
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 42, 49, 66, 68, 143, 152, 162
<223> n = A, T, C or G
```

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<400> 80
tgattcccca gacctcaaat gggctaacac gcttctcttc tncagcagnc ttcctgtccg 60
tgaagntncc ttccagattg gtacatggaa ctgaaaacaa agggagcctc agctggattg 120
aaatctggag catgccacaa agncttgcac tnggcatttt cnagaagaac ccat
<210> 81
<211> 274
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 32, 133, 219, 234, 239, 241, 272
<223> n = A, T, C or G
<400> 81
ttgcaacaag cacattaaat taaggcctgc tngaatttct tcctccccaa tcaggtaaac 60
tttctttgcc aataaagttt gaggaggtgg catttgaaaa tctctttaaa aaagaagtct 120
tcatctattc acnagaaaac tcaaaaataa ttttcattat caacacacaa actaactcaa 180
tetetgettt aagtttetat tggeeaattt ttetgattna taegagaatt attnteagnt 240
ntagaaaatc ctggtctttg gtcattacaa gntg
                                                                     274
<210> 82
<211> 101
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 25, \overline{2}6, 44, 74, 75, 84, 87, 101
<223> n = A, T, C or G
<400> 82
atggagaaga tcgaacctga gcctnntgag aattgcctgc tacngcctgg cagccctgcc 60
cgagtggccc agcnncattt cacnagntgg gcatgatttg n
                                                                     101
<210> 83
<211> 182
<212> DNA
<213> Homo sapiens
<400> 83
tattatgggg aaagataact gagaataaag ctatcatgca gatatttgca gagataaaag 60
taatgcagat actgagtgga gttttgatca aactatgctt qaaagccact ctaccactag 120
ttacacaaac caataatttc ccttcgcagt ggaagtcagc ttgagttttt tcaggtgttt 180
                                                                     182
<210> 84
<211> 229
<212> DNA
<213> Homo sapiens
<220>
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<221> misc feature
<222> 163, 191, 203, 222, 223, 228
<223> n = A, T, C or G
<400> 84
actgtttgta gctgcactac aacagattct taccgtctcc acaaaggtca gagattgtaa 60
atggtcaata ctgacttttt ttttattccc ttgactcaag acagctaact tcattttcag 120
aactgtttta aacctttgtg tgctggttta taaaataatg tgngtaatcc ttgttgcttt 180
cctgatacca nactgtttcc cgnggttggt tagaatatat tnngttcng
                                                                     229
<210> 85
<211> 500
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 44, 494
\langle 223 \rangle n = A, T, C or G
<400> 85
ggggagtang tgatttatta aagcaagacg ttgaaacctt tacnttctgc agtgaagatc 60
agggtqtcat tgaaagacag tggaaaccag gatgaaagtt tttacatgtc acacactaca 120
tttcttcaat attttcacca qqacttccqc aatqaqqctt cqtttctqaa qqqacatctq 180
atccgagcat ctcttcactc ctaacttggc tgcaacagct tccagagggg catcaaattt 240
ggcaagactt aacttgaaca gaggttcact aatgaagaag aagtctaaca gctcagaaac 300
aaqaqctqqq caqaactcqq cattqqcctq qtaqcaqcaq aqqqccaqcq tqaccaqcaq 360
gagacacacc gacagettea tggtggettg ttttgetgtg ageteagett teacaaacaa 420
tgagtgattt ggactecace ceaggageet gtggagetge agageeeagg getatttgta 480
cctgcccggg cggncgctcg
<210> 86
<211> 323
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 90, \overline{93}, 132, 180, 266, 270, 275, 279, 305, 316
\langle 223 \rangle n = A, T, C or G
<400> 86
ccgccagtgt gctggaattc gcccttgccg cccgggcagg tactcagaag tcatttgtta 60
tttacaattg ggtttgtgtg ggatgggatn tanggcggat gagccagtgc ttttgcaatg 120
aagatgeaat anteattgte eteteceact gteteetett teeteacece atggeagetn 180
tcatgaccca ttcccaaagg gtccaccgag tcctgaactc agcttcatca ccaacattcc 240
tegeetteag ttgaatteaa caetgneaan ggagnagang caaagaettg ggteagggag 300
                                                                     323
agggngggaa acacanaaca aac
<210> 87
<211> 230
<212> DNA
<213> Homo sapiens
```

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<400> 87
gcagcattga gccacccct tggcaggcga tacggcagct ctgtgccctt ggccagcatg 60
tggagtggag gagatgctgc ccctgtggtt ggaacatcct ggggtgaccc ccgacccagc 120
ctcgctgggc tgtcccctgt ccctatctct cactctggac ccagggctga catcctaata 180
<210> 88
<211> 249
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 31, 199, 244
<223> n = A, T, C or G
<400> 88
atgtgaccag gtctaggtct ggagtttcag nttggacact gagccaagca gacaagcaaa 60
gcaagccagg acacaccatc ctgccccagg cccagcttct ctcctgcctt ccaacgccat 120
ggggagcaat ctcagccccc aactctgcct gatgcccttt atcttgggcc tcttgtctgg 180
aggtgtgacc accactcent ggtetttggc ceggeeccat ggatectget etetggaggg 240
ggtntagat
<210> 89
<211> 203
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 36, 42, 166, 167, 187
<223> n = A, T, C or G
<400> 89
tgtttacact gtcaaggatg acaaggaaag tgttcntatc tntgatacca tcatcccagc 60
tgttcctcct cccactgacc tgcgattcac caacattggt ccagacacca tgcgtgtcac 120
ctgggctcca cccccatcta ttgatttaac taacttcctg gtgcgnnact cacctgtgaa 180
aaatgangaa gatgttgcag agt
                                                                 203
<210> 90
<211> 455
<212> DNA
<213> Homo sapiens
<400> 90
ctctaagggg gctggcaaca tggctcagca ggcttgcccc agagccatgg caaagaatgg 60
acttgtaatt tgcatcctgg tgatcacctt actcctggac cagaccacca gccacacatc 120
cagattaaaa gccaggaagc acagcaaacg tcgagtgaga gacaaggatg gagatctgaa 180
gactcaaatt gaaaagctct ggacagaagt caatgccttg aaggaaattc aagccctgca 240
gacagtctgt ctccgaggca ctaaagttca caagaaatgc taccttgctt cagaaggttt 300
gaagcatttc catgaggeca atgaagactg catttccaaa ggaggaatcc tggttatccc 360
caggaactcc gacgaaatca acgccctcca agactatggt aaaaggagcc tgccaggtgt 420
caatgacttt tggctgggca tcaatgacat ggtca
                                                                 455
```

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<210> 91
<211> 488
<212> DNA
<213> Homo sapiens
<400> 91
actttgcttg ctcatatgca tgtagtcact ttataagtca ttgtatgtta ttatattccg 60
taggtagatg tgtaacctct tcaccttatt catggctgaa gtcacctctt ggttacagta 120
gcgtagcgtg gccgtgtgca tgtcctttgc gcctgtgacc accaccccaa caaaccatcc 180
agtgacaaac catccagtgg aggtttgtcg ggcaccagcc agcgtagcag ggtcgggaaa 240
ggccacctgt cccactccta cgatacgcta ctataaagag aagacgaaat agtgacataa 300
tatattctat ttttatactc ttcctatttt tgtagtgacc tgtttatgag atgctggttt 360
tctacccaac ggccctgcag ccagctcacg tccaggttca acccacagct acttggtttg 420
tgttcttctt catattctaa aaccattcca tttccaagca ctttcagtcc aataggtgta 480
ggaaatag
                                                                   488
<210> 92
<211> 420
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 30, 33, 34, 204, 225, 319, 372, 383, 385, 390, 414, 416, 418
<223> n = A, T, C or G
<400> 92
tctccggcag gctctgcccc ggtcgtagcn agnnaaccta taatcctgac cttttttgta 60
gacaaccttg gtgctgaggt taactccatc cattgtagtg gcctgtatat caatgggacg 120
attgcatatt tttcctgggt gagctttcca gaggtctgaa attttctccc cacctttagt 180
ctgagatact ttatcatgat cganccactc cgtccactcc acgtnttgaa cccactcact 240
ggacaaagaa acattgaaat attcgccatg ctctgtctgg aacaatttga atacccgggc 300
agcagcagag cctcgatgnc caggatattc aatatggtct tccactgaag atgatggatt 360
teettteaca gntagaaaac ttnenagggn gtetaaatee aaggtgeagg aagngngnge 420
<210> 93
<211> 241
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 11, 53, 168, 197, 231, 237
<223> n = A, T, C or G
<400> 93
accacgaatt ncaacatcca gatccaccac tatcctaatg ggattgtaac tgngaactgt 60
geceggetee tgaaageega ceaceatgea aceaaegggg tggtgeaeet categataag 120
gtcatctcca ccatcaccaa caacatccag cagatcattg agatcganga cacctttgag 180
accetteggg etgetgngge tgeateaggg etcaacacga tgettgaagg naacggneag 240
                                                                   241
```

<210> 94

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<211> 395
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9
<223> n = A, T, C or G
<400> 94
actctattnt aattctgcct ttttatactt aattctaaat ttttcccctc taatttacaa 60
caaattttgt gatttttata agaatctatg cctccccaat tctcagattc ttctcttttc 120
tcctttattt ctttgcttaa attcagtata agctttcttg gtattttagg cttcatgcac 180
attettatte etaaacacca geagttette agagacetaa aateeagtat aggaataaet 240
gtgttagttc ttgaaaaagc attaaagaca tttttccctg aaacatacag aacatgtcat 300
gccaaatctc ttgtttacat aataaactgg taataccggt gaattgcaca tacagatttt 360
atctccaaga tagaataact taaatattaa aacgt
                                                                   395
<210> 95
<211> 304
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 15, 45, 47, 180, 216, 296
<223> n = A, T, C or G
<400> 95
cgaggtacag tgatngctcc ccctgggcaa tacaatacaa gaacngnggg ttttgtcaaa 60
ttggaacaag gaaacagaac cacagaaata aatacattgg ttaacatcag attagttcag 120
gttacttttt tgtaaaagtt aaagtacgag gggacttctg tattatgcta actcaagtan 180
actggaatct cctgttttct ttttttttt taaatnggtt ttaattttt ttaattggat 240
ctatcttctt ccttaacatt tcagttggag tatgtagcat ttagcaccac tggctnaaac 300
ctat
                                                                   304
<210> 96
<211> 506
<212> DNA
<213> Homo sapiens
<400> 96
acactgtcag cagggactgt aaacacagac agggtcaaag tgttttctct gaacacattg 60
agttggaatc actgtttaga acacacac ttactttttc tggtctctac cactgctgat 120
attttctcta ggaaatatac ttttacaagt aacaaaaata aaaactctta taaatttcta 180
tttttatctg agttacagaa atgattactg aggaagatta ctcagtaatt tgtttaaaaa 240
gtaataaaat tcaacaaaca tttgctgaat agctactata tgtcaagtgc tgtgcaaggt 300
attacactct gtaattgaat attattcctc aaaaaattgc acatagtaga acgctatctg 360
ggaagctatt tttttcagtt ttgatatttc tagcttatct acttccaaac taatttttat 420
ttttgctgag actaatctta atcattttct ctaatatggc aaccattata accttaattt 480
attattaacc ataccctaag aagtac
                                                                   506
<210> 97
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<210> 97 <211> 241

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<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 144, 165, 167, 171, 187, 214, 215, 228, 239
<223> n = A, T, C or G
<400> 97
attttctttt taattacttt agagagctag ggatgcaaat gttttcagtt agaaagcctt 60
tatttacttt tggaaattga acaagaaatg catctgtctt agaaactgga gattatttga 120
tgttaggtaa aacatgtaat tgtntctctg gcaaatttgt atcantnatt ngaaaatgag 180
atattangaa aaaccaattc ttcttaaatc tagnncatct ttctttanaa gaacattana 240
                                                                   241
<210> 98
<211> 79
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 20, 22, 24, 33, 48, 54, 61
<223> n = A, T, C or G
<400> 98
ggcaaacana cttatgctqn ancngggttt tancaaqqtt ttcaaaqnaa aaancccatt 60
ngactttatg gaaaatatt
                                                                   79
<210> 99
<211> 316
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 27, 29, 32, 68, 293
<223> n = A, T, C or G
<400> 99
ccacatatgt aaaacccaga aagaccngnt tngcactttc actgagagtt gagtcatctg 60
ggctgtcnac aggtgtctga cgtgtaaact tggaatcaaa ctgacttaca tcctcttcag 120
attgcaacag aggtttaaag gggggctcca cctttcgagc cagaagttct tcccaqttaa 180
tgtgtctaaa gaatggatga gcttgaactt ctccagcgtc cccaggacca gctcccagac 240
gagaagcagc atttctttc agcagctttt taagcagatc tctggcttct tgngtgaggt 300
agggaggcaa attgag
                                                                   316
<210> 100
<211> 425
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

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<222> 255
<223> n = A, T, C \text{ or } G
<400> 100
accgctttca gaaagtttat atgggttatt cttcagcctc tcttttatgc ctttcgacct 60
ctgtttatca accccaaacc aattacgtat ctggaagtta tcaataccgt ggcacaggtc 120
acttttgaca ttttaattta ttactttttg ggaattaaat ccttagtcta catgttggca 180
gcatctttac ttggcctggg tttgcaccca atttctggac attttatagc tgagcattac 240
atgttcttaa agggncatga aacttactca tattatqqqc ctctqaattt acttaccttc 300
aatgtgggtt atcataatga acatcatgat ttccccaaca ttcctggaaa aagtcttcca 360
ctggtgagga aaatagcagc tgaatactat gacaacctgc ctcactacaa tttctggata 420
aaagg
                                                                    425
<210> 101
<211> 156
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 141
<223> n = A, T, C or G
<400> 101
actgacttgg gaatgtcaaa attctttatt atgatcttcc gagtgttgtc ctgagctttg 60
ttggccctca actgcaggca gagaaccagg agcagggtgg cagggctggc cctgaacagg 120
agctggagca agcgcatgct ngagaaaaca gaaggc
<210> 102
<211> 230
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 14, 192, 194, 197, 214, 226, 227
<223> n = A, T, C or G
<400> 102
actccaggcc gggnctcagg ttatcaaaag tgcaggagct ctgatcagca tggaccactt 60
cttccaaaga atttccctgc tggccgtttg taggggttgt ggtaattcta taaccagtaa 120
tgtctggggt ggtgctcctc tcccaggaga ctgtgagcac tccagtgtca gggtttqcct 180
ccagatgcaa gntngtnggt ggagacaatg gtgncaccac tttgtnnaca
                                                                    230
<210> 103
<211> 404
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 14, 17, 21, 23
<223> n = A, T, C or G
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```
<400> 103
actgtgaacc ctgnggnttc nangcgacct acctggagct ggccagtgct gtgaaggagc 60
agtatccggg catcgagatc gagtcgcgcc tcgggggcac aggtgccttt gagatagaga 120
taaatggaca gctggtgttc tccaagctgg agaatggggg ctttccctat gagaaagatc 180
tcattgaggc catccgaaga gccagtaatg gagaaaccct agaaaagatc accaacagcc 240
gtcctccctg cgtcatcctg tgactgcaca ggactctggg ttcctgctct gttctggggt 300
ccaaaccttg gtctcccttt ggtcctgctg ggagctcccc ctgcctcttt cccctactta 360
gctccttagc aaagagaccc tggcctccac tttgcccttt gggt
                                                                   404
<210> 104
<211> 404
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 340, 362, 366, 391
<223> n = A, T, C or G
<400> 104
accaggitat ataatagtat aacactgcca aggagcggat tatctcatct tcatcctgta 60
attccagtgt ttgtcacgtg gttgttgaat aaatgaataa agaatgagaa aaccagaagc 120
tetgatacat aatcataatg ataattattt caatgeacaa etaegggtgg tgetgaacta 180
gaatctatat tttctgaaac tggctcctct aggatctact aatgatttaa atctaaaaga 240
tgaagttagt aaagcatcag aaaaaaagt gggtattcct acaagtcagg acattctacg 300
tgactataat ataatctcac agaaatttaa cattaatacn ttctaagatt taattcttag 360
antctnggta aacaaagtag ctcctgtgga natgattggc atca
<210> 105
<211> 325
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 19, 250, 258, 289
<223> n = A, T, C or G
<400> 105
acagcagaag ccagtctang atggtgtgat tcaatttctg cctctagtat ttctttgtct 60
tgtttttcct tcaatttaga agtgagcatt gtgttctcag ctatcagaac tttaagctgc 120
ccactatatt gagatgccct tttagctaat gattcctctt tcagttttag ggtcatctga 180
agttcagcat tcttttcttt taaaatctta atgtcctcaa agtatttatt ttccttttcc 240
tggtattggn gtttcagngt ggctatttcc agttttagca tggcaattnc ctttttcaac 300
atgcaatttt catgtaagag ataat
                                                                   325
<210> 106
<211> 444
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 13, 165, 312, 347, 384, 387, 396, 398, 419
```

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<223> n = A, T, C or G
<400> 106
actgtcttca atnctatgcg tgcaggtgtc taccacaggc aaacagtttt ctccccattt 60
tgtagtaatg tgattttcct attagcaaaa agaggtcacc agcccctgta gacttaaggg 120
actcaagtca caggatgggg atttcctctt aatatttttt atttngttgt ttgaactctt 180
gatgcaacat tgtagagcag ggtgttcagg acctgctgtg cccaagggac tgataaagga 240
aaaagctcta tttattcttt ttgtgatttg atgcacagat gaaaaactta acacacaata 300
acagaagttg gncgttaata aatcacatcc taggctttca gcgcttncgt aagcagacga 360
catcttcagt tttctagctc ttgnagnttc aacacngnaa catcaatgat gcatatgtnc 420
agaatcagtt acaaagacca tccg
<210> 107
<211> 287
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 12, 15, 23, 169, 184, 231, 248, 263, 286
<223> n = A, T, C or G
<400> 107
acctgcactc gnachtcagg cantaggect ccaegtcatg gccaggcact ggcatgggct 60
ccaccacgtg caggcagttg cagtccttct gggatacatt ctggttgtaa atgtgccac 120
tgatgtttct ataaggtggg acagatgcat ttgcaccqqa tatcttcana actcttqttq 180
gctncagctg ggggcaccaa caaacacccg accacagcca ccaaagataa nagcttcatg 240
cttatcangc ttgctgggcc agnaaagccg gacacctaca agcccnc
<210> 108
<211> 478
<212> DNA
<213> Homo sapiens
<400> 108
acatgtgcaa gaatttggaa aagcagggca ttttccctca tctctcctag agggaatatc 60
acagcatctg tetetactgg tecacactgg actgeagaea atgteaaaae tetggatttg 120
gaatgcggct gatttccttt cccctttaag gagttttcca agaatttcat aaccatcagt 180
tgttatattt ccagcttcct tgatgtcttt ttctataatt tcatagcagt caatgtaaat 240
cttaacactt tttgaggtca ctacaatatg aaccttgtga aaacttccat aaaataatgt 300
ctttacttct tctgtgtcaa atgtaacagt ttgcacctcg cctcttgtat ccttgttaaa 360
gaatgataac gtcttgctag aaggatctgc aatcactcca acttgtggtt tgtagtctct 420
gtctgtgatt tgccaaattg caaaagggtc actgggagtt tctgggagaa gtctgaat
<210> 109
<211> 361
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 15, 134, 201, 214, 309, 312
<223> n = A, T, C or G
```

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<400> 109
gaatttttct tctanaataa gtattctgtt gacacagact attggtaaga ttttcaacat 60
aaggtaatgc taggactggc ctcctagcat gagttgtgag taaagatctg gtctgttgtt 120
tetecaaaag aagnitetta etgetigiet eteatgagit tietgittet getiteteti 180
tttcatattg atatacgg ntttttaaat ggtnattgta attaaatatc tcctcatttt 240
tetettttag gagatgatgt tgeattttee teteaagaaa atgaatatea attgttatet 300
tgcttttgnt gncagctttc ttatgtgcat gaactaattg ctgttgaagc cacatatttt 360
                                                                   361
<210> 110
<211> 305
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 12, 13, 16, 110, 142, 143, 150, 161, 192, 198, 217, 223,
244, 263, 274, 285, 287
<223> n = A, T, C or G
<400> 110
acataatgac tnncanagtg aagctgattg getgeggtte tggagtaaat ataagctete 60
cgttcctggg aatccgcact acttgagtca cgtgcctggc ctaccaaatn cttgccaaaa 120
ctatgtgcct tatcccacct tnnaatctgn ctcctcattt ntcagctgtt ggatcagaca 180
atgacattcc thtagathtg gcgatcaagc attccanacc tgngccaact gcaaacggtg 240
cctncaagga gaaaacgaag gcnccaccaa atgnaaaaaa tgaangnccc ttgaatgtac 300
taaaa
                                                                   305
<210> 111
<211> 371
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 341, 369
<223> n = A, T, C or G
<400> 111
cgggggccag ccgggggtat tcagccatcg atcaaactca aaacctggaa tgatatccac 60
tctcttttc ttaagctcag ggaaatattc caagtagaag tccagaaagt catcggctaa 120
gatgcttcgg aatttgaatt catgcacata ggccttgaga aaactgtcaa actgatcctg 180
atcacccacc aagtgggcca ggtatgagac aaagcagaaa cctttctcqt agggggtctc 240
attataggtg tcgtccgggt caacgcctgg ttcaatcttc acgcggagct tgttgagtgg 300
gttttcctct ccagtgatgt ccatgtgctg acqcaqcaqa ncccqccccq ttqcaqcctc 360
caagcaggng t
<210> 112
<211> 460
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
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```
<222> 16, 25
<223> n = A, T, C or G
<400> 112
acatcttagg tttttnttcc tttantgtga agaggcgttt ccaccaaccc acagctctgc 60
gtcgagtttt tactagattg ctgcaaattt catggaatct ttgctgttgt tcagtggtcc 120
atttattgga gccaaaaatt ctagggcgct agaatgggaa caaggtagtc agccaagcac 180
aaaaacataa caaaacagga aacgccggac agaacagatg gatctagata gtagataatc 240
agaaacacca aagaaaccac acccatgatg gcaggtggaa accaggctct ttctcatcgg 300
aggactttat cagccatcag catcacttct ccccatcctt gcagctgttc ttccagactt 360
geagtetetg cagecageag gttgggtget gegattaeet eeeteegeea tegteteggg 420
gatgcagtct ctacaagcgc aggccacctc cccaacgagt
                                                                     460
<210> 113
<211> 204
<212> DNA
<213> Homo sapiens
<400> 113
gagaagacag cagagctgct ttccgcctct ttgagaccaa gatcacccaa gtcctgcact 60
tcaccaagga tgtcaaggcc gctgctaatc agatgcgcaa cttcctggtt cgagcctcct 120
gccgccttag cttggaacct gggaaagaat atttgatcat gggtctagat ggggccacct 180
atgacctcga gggacacccc cagt
                                                                     204
<210> 114
<211> 137
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 46, 52, 131
\langle 223 \rangle n = A, T, C or G
<400> 114
accgcaagaa atgggacagc aacgtcattg agacttttga catcgnccgc tngacagtca 60
acgctgacgt gggctattac tcctggaggt gtcccaagcc cctgaagaac cgtgatgtca 120
tcaccctccq ntccctq
                                                                     137
<210> 115
<211> 278
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 13, \overline{1}24, 147, 170, 209, 234
<223> n = A, T, C or G
<400> 115
gegggegget tintggacte geteatitae agageatgeg tggtetteae cettggeatg 60
ttctccgccg gcctctcgga cctcaggcac atgcgaatga cccggagtgt ggacaacgtc 120
cagnitectic cettictcae caeggangte aacaacetgg getggetgan ttatgggget 180
ttgaagggag acgggatcct catcgtcanc aacacagtgg gtgctgcgct tcanaccctg 240
```

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tatatctttg gcatatctgc attactgccc tcggaagc
                                                                     278
<210> 116
<211> 178
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 12, \overline{2}2, 81, 96, 149, 165, 171, 176, 177
<223> n = A, T, C or G
<400> 116
acaccgtcat angtcaaaag tncagtgctg gccatcttgc atcaaatgtt cttaaggcag 60
tgactggcta tcaaccacag nttctgtctc cccagntgca aacacaggat ccatgcaaca 120
gttctgagac catacactta gaaaccacng ggagatgegg atcanatgca naactnnc
<210> 117
<211> 360
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 13
<223> n = A, T, C \text{ or } G
<400> 117
actccccaat ggnggattta ttactattaa agaaaccagg gaaaatatta attttaatat 60
tataacaacc tgaaaataat ggaaaagagg tttttgaatt tttttttaa ataaacacct 120
tettaagtge atgagatggt ttgatggttt getgeattaa aggtatttgg geaaacaaaa 180
ttggagggca agtgactgca gttttgagaa tcagttttga ccttgatgat tttttgtttc 240
cactgtggaa ataaatgttt gtaaataagt gtaataaaaa tccctttgca ttctttctgg 300
accttaaatg gtagaggaaa aggctcgtga gccatttgtt tcttttgctg gttatagttg 360
<210> 118
<211> 125
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 23, 59, 61
<223> n = A, T, C or G
<400> 118
gcgtcgtgct atgaccggac ttngtcttga aaggggatga cagcatggga ggcaatggnt 60
ncacatgtaa accccacact gaaagacaag gcactctctc cacagcagcc ccaacaacta 120
gccct
<210> 119
<211> 490
<212> DNA
```

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<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 104, 110, 117, 128, 142, 144, 157, 161, 223, 230, 247,
465, 484
<223> n = A, T, C or G
<400> 119
nacaaagaaa agcaaaaaga atttacgaag attgtgatct cttattaaat caattgttac 60
tgatcatgaa tgttagttag aaaatgttag gttttaactt aaanaaaatn gtattgngat 120
tttcaatntt atgttgaaat engngtaata teetgangtt ntttteeece eagaagataa 180
agaggataga caacctctta aaatattttt acaatttaat ganaaaaagn ttaaaattct 240
caatacnaat caaacaattt aaatatttta agaaaaaaagg aaaagtagat agtgatactg 300
agggtaaaaa aaaattgatt caattttatg gtaaaggaaa cccatgcaat tttacctaga 360
cagccttaaa tatgtctggt tttccatctg ctagcatttc agacatttta tgttcctctt 420
actcaattga taccaacaga aatatcaact tctggagtct attanatgtg ttgtcacctt 480
tctnaaqctt
<210> 120
<211> 361
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 142, 167, 307, 347
<223> n = A, T, C or G
<400> 120
caggtacagt aaaattaaca cttccgttac aggaaatgta tgacgcaaat aatataaaat 60
taaaaggtga aaaaaaggtg acactggttt cctaagatac aatttactct ttacaaccag 120
ggtccacagg tccaggctgc anagcgggca tcaggaagca gagcctncca cctgcttctg 180
ggggacctgg taataaaaat cagcccatga tggcgctatg gcctctcaga caccacacgc 240
tgcctaaaca cctagagctc tggaaatagt caacaggaga gtgatttcca tgggggaaat 300
tttaaanaag atgcacatgg gacaggcaat agaaagtttg ccaaggntaa atttggtacc 360
                                                                   361
<210> 121
<211> 405
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 15, 360, 380, 393, 398, 401
<223> n = A, T, C or G
<400> 121
acacaaaacc ttttnacata ttgggggctt accgctccaa attgctactg atcctttaag 60
ttcacaatat agaatttctt caccaattaa gtaataaccc tcattacaaa taaagtgcat 120
ctgataacca aactcgtaag tcccatttgc agggactgct tggccattta aaggatcccg 180
tatatatgga catgtttctc tataacaggc gtcatctgag acaggtagcc atgtatgatt 240
ccgatcacaa atagtatggg tggcaagagg aggtatatag aagtatcctt ttttacactt 300
```

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ataatctact cgttcaccaa tctcatagta gggttttggt ttaccaatga gcctccatan 360
cttcaaatgt tgggtggctn ctcacaggca tcnggcanaa ngagt
<210> 122
<211> 152
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 15, 150
<223> n = A, T, C or G
<400> 122
accocgctcc gttgncacag atcgctgtct gcccactcca tcggccattc acttggcagg 60
tgcgattggc agagccccgg agagtgtaac cgtcatagca gtggaaagag atctcatcac 120
tcacattgta gtagggagac cggggccaan ta
                                                                152
<210> 123
<211> 336
<212> DNA
<213> Homo sapiens
<400> 123
acatctgaca tatttatata gcacataaat tagggagtgc tctgacccct gcccqtqqaq 60
cccaagcact gagcagggag gtgaacgcca gtccagaaag aaggtgctgg agcccctgct 120
ctgtcctctc catcacgggg ctcccctagg gcctccccag gcctccttgg ctcagtccag 180
gtgtctgcag gaggaaggtg ttgtctgcat ttagtqtctg agactgggtt tgaggaggca 240
ccagataaaa ggagatacac ttgcagctat aaagtcagct tcaaacccca gggcttgtaa 300
ttccaagagg agggtgggga ggcgaggcca tagtct
                                                                336
<210> 124
<211> 253
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 248, 253
<223> n = A, T, C or G
<400> 124
ctgcaagagc ccagatcacc cattccgggt tcactccccg cctccccaag tcagcagtcc 60
tagccccaaa ccagcccaga gcagggtctc tctaaagggg acttgagggc ctgagcagga 120
aagactggcc ctctagcttc taccetttgt ceetgtagee tatacagttt agaatattta 180
aaaaaagntt gtn
                                                                253
<210> 125
<211> 522
<212> DNA
<213> Homo sapiens
<400> 125
```

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acaactgcaa gtctaagata atgttcattc attcccatca taaatgtaac attctaaata 60
ggtgtcttct gatgtcatct gtcagaattt cttttaaact ttttcttcat cttcaacatt 120
atcaaagttc atccttattc ctcttgcctt gatttcggag agtttccaat ttttcactta 180
ttaaggcagc gattgctttt gcatctctgg tatttatctg ctcttcttga aaatttctct 240
ttgctctttc gtagaaataa aacttaacag ttggataggc cctgatccca gctttctggc 300
atgtctgage ataagectga cagtctactt ttccagettt cacttttect ttaatcatee 360
tagccaagag ctcaaattct ggagcaaaat tctggcaagg tccacaccaa ggagcataga 420
aatcaatcac ccaatgattt ttcccttqta gaactttttc actgaaagtc tgaggtgtta 480
gatctgtgga tacttgaggt aaaaatccta gaccccagat tc
<210> 126
<211> 374
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 302
\langle 223 \rangle n = A,T,C or G
<400> 126
tttttaagat attaacttta cctttataaa tctttgtgtg aaatgaaaaa aaaaatcaag 60
gcatacaaat ttcattgtgt tctacatttt taaataccat cctttgtctc cgttaaaaga 120
ttttcatcca tttattcaaa aacettttaa gttcaactgt ccaatttaag acagagtgaa 180
gacatttttg agtatctgaa ctaagcattg tcttgactga aacgaagtaa gaactcaatg 240
agagteettg tgggeeteec aggeatgeet tteegtagat agggaactte atetttgttg 300
gncatcacge etgetatgte taaatgtgee caettaggat gagttaegaa ttettteagg 360
aatqctqcaq ctqt
                                                                     374
<210> 127
<211> 130
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 12, \overline{3}7, 47, 69, 75, 87, 112, 115, 124
<223> n = A, T, C or G
<400> 127
aaagccaaga engecattgg cactgetatg gtaaggneac agggeaneca gggeettetg 60
gcaaaaggng atacnaccag cactatnaac agacaggaca tggttgagag gnagnctaca 120
caantcctaa
                                                                     130
<210> 128
<211> 350
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 14, 16, 24, 146
\langle 223 \rangle n = A, T, C or G
```

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<400> 128
acactgattt ccgntnaaaa gaancatcat ctttaccttg acttttcagg gaattactga 60
actttcttct caqaaqatag ggcacagcca ttgccttggc ctcacttgaa gggtctgcat 120
ttgggtcctc tggtctcttg ccaagnttcc cagccactcg agggagaaat atcgggaggt 180
ttgactteet eeggggettt eeegaggget teaeegtgag eeetgeggee eteagggetg 240
caateetgga tteaatgtet gaaacetege tetetgeetg etggaettet gaggeegtea 300
ctgccactct gtcctccagc tctgacagct cctcatctgt ggcctgttga
<210> 129
<211> 505
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 471
<223> n = A, T, C or G
<400> 129
acaataccaa agcttcataa tgctaaagaa aaccaaaaca aaagacaatg gtttacacag 60
ggaaataacc ctaaggcaat atgaaaacag tcataattta ttactgataa agagtaaagg 120
catcettece atagaggggg ggaatteaca gggaacacta attatateag atgaaceacg 180
gggatagaaa ataggcccat ttttaaaatt cattgagaaa ttattacttt ttctccacaa 240
ctgtgattct atacaaaata taaaccctgc aaaccttatg tgctacctga cagataaaag 300
tagcaggage cagactettg aagcacttga gactgattte tacaaagtee aggaagagea 360
atgattccag tgtgcagtgc tgatgcatgt gtgagcctaa catgttattc agctctggtt 420
gcagccccat ctacatgggg cccagttagt ttttagggag tcacagatta ngcaggcaac 480
cgagggcat gatttaaaaa gcaca
                                                                   505
<210> 130
<211> 526
<212> DNA
<213> Homo sapiens
<400> 130
acaaaaqagc ctgattcttt ttaattccac aaatacctag catctcaaag taacatgtaa 60
acaaacttct atgctgctca atgaatcctt ccaatttcga taataaacta aatagtattg 120
gatctagtat atgactttca tgtgtaagtt atggttctat ccattacttt aacaatatta 180
ctgatgtaac agagaaaaat tttcaactat tgtacttatt taaaacaaac tgacaagttc 240
aagcacctgt cttcagaaaa gccagcagca ttttttttt tttaacatac tcaaagtaag 300
atttggccta agcccttaat acctttctga acagccatgc aactaaacac cctcaggaga 360
tgttacataa gggagagaag aacatggagc aatttgcact ttttccccta gataatatta 420
acaaqqtaaa qcaaatccag atctttatga atgaatqqct qtcatqttta atacacttqg 480
agctctataa aactagagcc actatcatat atgtttatat agatat
                                                                   526
<210> 131
<211> 477
<212> DNA
<213> Homo sapiens
<400> 131
ctcagttttc ccagcaacag atgctcctga gcaatttatt agtcaagtga cggtgctgaa 60
atacttttct cattacatgg aggagaacct catggatggt ggagatctgc ctagtgttac 120
tgatattcga agacctcggc tctacctcct tcagtggcta aaatctgata aggccctaat 180
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gatgctcttt aatgatggca cctttcaggt gaatttctac catgatcata caaaaatcat 240
catctgtagc caaaatgaag aataccttct cacctacatc aatgaggata ggatatctac 300
aactttcagg ctgacaactc tgctgatgtc tggctgttca tcagaattaa aaaattgaat 360
ggaatatgcc ctgaacatgc tettacaaag atgtaactga aagacttttc gaatggaccc 420
tatgggactc ctctttcca ctgtgagatc tacagggaac ccaaaagaat gatctag
<210> 132
<211> 404
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 10, 15, 19, 24, 87, 125, 140, 355, 390, 399
<223> n = A, T, C or G
<400> 132
accacacgan cgggnatcnt ttgnacatag tgagacccgg ctgattccca tacatgaatc 60
cattcatgga gtgcatttta ttagatnect gaaagtette atetteetta tecacetgat 120
caggngcagt tgtaaacatn cctaatatta tcttccagga gtaaactctc attctcatca 180
aatactgtag gaaacaaata gaattccttg tctacatctt tctgtctccc atttgcatat 240
aaactteett tettgeatat titeattgge eeaataagee eagtgaatat atetttagtg 300
ggatccacag cagaataata catcttagct agacacacag ggatctgcat tacgngggtc 360
ctacttcttt ggggacagcc cttcatacgn gaatgtttnt gtgg
                                                                   404
<210> 133
<211> 552
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 529
<223> n = A, T, C or G
<400> 133
accocaaatt atotototo tgaagtooto aacaaacaag gacatggotg tgaatcagac 60
atttgggccc tgggctgtgt aatgtataca atgttactag ggaggccccc atttgaaact 120
acaaatctca aagaaactta taggtgcata agggaagcaa ggtatacaat gccgtcctca 180
ttgctggctc ctgccaagca cttaattgct agtatgttgt ccaaaaaaccc agaggatcgt 240
cccagtttgg atgacatcat tcgacatgac ttttttttgc agggcttcac tccggacaga 300
ctgtcttcta gctgttgtca tacagttcca gatttccact tatcaagccc agctaagaat 360
ttctttaaga aagcagctgc tgctcttttt ggtggcaaaa aagacaaagc aagatatatt 420
gacacacata atagagtgtc taaagaagat gaagacatct acaagcttag gcatgatttg 480
aaaaagactt caataactca gcaacccagc aaacacaggg acagatgang agctccacca 540
cctaccacca ca
                                                                   552
<210> 134
<211> 496
<212> DNA
<213> Homo sapiens
<400> 134
acattgatgg gctggagagc agggtggcag cctgttctgc acagaaccaa gaattacaga 60
```

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agacgctaat tgctcaaact tccaacaaag ctgcccagac cagcacttgt gttttgattc 180
ttcttttttc cctggctctc atcatcctgc ccagcttcag tccattccag agtcgaccag 240
aagctgggtc tgaggattac cagcctcacg gagtgacttc cagaaatatc ctgacccaca 300
aggacgtaac agaaaatctg gagacccaag tggtagagtc cagactgacg gagccacctg 360
gagccaagga tgcaaatggc tcaacaagga cactgcttga gaagatggga gggaagccaa 420
gacccagtgg gegeateegg teegtgetge atgeagatga gatgtgaget ggaacagace 480
ttttctgggc cacttt
<210> 135
<211> 560
<212> DNA
<213> Homo sapiens
<400> 135
actgggagtg atcactaaca ccatagtaat gtctaatatt cacaggcaga tctgcttggg 60
gaagctagtt atgtgaaagg caaatagagt catacagtag ctcaaaaggc aaccataatt 120
ctctttggtg caggtcttgg gagcgtgatc tagattacac tgcaccattc ccaagttaat 180
cccctgaaaa cttactctca actggagcaa atgaactttg gtcccaaata tccatctttt 240
cagtagcgtt aattatgctc tgtttccaac tgcatttcct ttccaattga attaaagtgt 300
ggcctcgttt ttagtcattt aaaattgttt tctaagtaat tgctgcctct attatggcac 360
ttcaattttg cactgtcttt tgagattcaa gaaaaatttc tattcttttt tttgcatcca 420
attgtgcctg aacttttaaa atatgtaaat gctgccatgt tccaaaccca tcgtcaagtg 480
tgtgtgttta gagctgtgca ccctagaaac aacatattgc ccatgagcag gtgcctgaac 540
acagacccct ttgcattcac
                                                                560
<210> 136
<211> 424
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 407
<223> n = A, T, C or G
<400> 136
accagcaaat ctccattagc atttctcagg tttcatgatc cttttcagat atgttggttg 60
attttatgta tatattgctt agaaacaaaa atccacctga tattaaaaca aaccaaaaaa 120
aatcataaaa gcaagcaaat gaacaaaaaa ccctagtttt gttgtgcttt tctttcacat 180
ttcctacagg gagatttgta tatctcagat actttcaaaa tctaataggt aagtaaaatt 240
agtgccttaa ccaaacagta agataccaaa gaatcctcca tcacaagtta ctgaatcaaa 300
cttctcatga catttqcqqt atattcaqat ttqaaqattt tttaaattta qaatttaaaa 360
caaactttag actgctgatt ttccatattt caaagactgt agctgtntgc agcatataaa 420
                                                                 424
tgga
<210> 137
<211> 392
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 8, 182, 293, 314, 375, 378
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```
<223> n = A, T, C or G
<400> 137
tgcggggntg aaggctagca aaccgagcga tcatgtcgca caaacaaatt tactattcgg 60
acaaatacga cgacgaggag tttgagtatc gacatgtcat gctgcccaag gacatagcca 120
agctgggccc taaaacccat ctgatgtctg aatctgaatg gaggaatctt ggcgatcagc 180
anagtcaggg atgggtccat tatatgatcc atgaaccaga acctcacatc ttgctgttcc 240
ggcgcccact acccaagaaa ccaaagaaat gaagctggca agctactttt cancctcaag 300
ctttacacag ctgnccttac ttcctaacat ctttctgata acattattat gctgccttcc 360
                                                                    392
tgttctcact ctganatnta aaagatgttc aa
<210> 138
<211> 284
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 168, 172, 218, 242, 245, 266, 268, 270
<223> n = A, T, C or G
<400> 138
tgcctgtgca cctctttgct tgaaatatgg caagacttgg aaaaatgttt gcccttagaa 60
totatotoac tactttagtt agttgtotoc tttgggcotg ggcacagttc tggccotgat 120
ctggaacaga ctcccttttc taaaactgaa cttgaccaca tcaaaagntt gnaaaacaat 180
ctccatggta attaaacttg cattcaacac catatggnaa cagaagatgg caggaggata 240
                                                                    284
anatncagat cttatgatct ttccangnan ggcatgttac atga
<210> 139
<211> 249
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 23, 28, 33, 67, 68, 81, 161, 168, 175, 183, 217, 248
\langle 223 \rangle n = A, T, C or G
<400> 139
gaggaagggg ggactgaatc tancaccntg acngaactag agacagccat gggcatgatc 60
atagacnnct ttacccgata ntcgggcagc gagggcagca cgcagaccct gaccaagggg 120
gagctcaagg ggctgatgga gaaggagcta ccaggcttcc ngcagagngg aaaanacaag 180
gangccgtgg ataaattgct caaggaccta gacgccnatg gaggatgccc aggtggactc 240
cagcgagnt
                                                                    249
<210> 140
<211> 390
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 26, 27, 35, 41, 96, 319
<223> n = A, T, C or G
```

n n

1.50

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<400> 140
tcataatggt tggggcagct ataatnnact acaanaatca natgtttcac atctagacct 60
cgggcagcaa cagaggtagc cacaagaagt ttgcangtcc cattcttaaa gtcatttatg 120
atgctatctc tgtcatattg atcaatgcct ccatgaagag acatgcaagg ataagatgct 180
ctcattaaat ccttaagaag accatcagca tgttcctgct tatccacaaa tataatgaca 240
gatcctgact cttgataatg gcctagaagc tcaagtaact tcaagaattt cttttcttct 300
tcaatcacaa tcacttgtng ctccacatct gagcaaacca cactcctgcc tccaacttgt 360
acctgccccg ggcgggcgct caagggcgaa
<210> 141
<211> 420
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 20, 21, 23, 28, 155, 174, 221, 239, 240, 258, 265, 302, 307,
316, 342, 346, 374, 387, 388, 402, 418
<223> n = A, T, C or G
<400> 141
gacactcagg gaaaagcatn ngncaaanag agcttaaaat gcatcgccaa cggggtcacc 60
tccaaggtct tcctcgccat tcggaggtgc tccactttcc aaaggatgat tgctgaggtg 120
caggaagagt gctacagcaa gctgaatgtg cgcancatcg ccaagcggaa cccngaagcc 180
atcactgagg tegtgeaget geceaateae ttetecaaca natactataa cagaettgnn 240
cgaagcctgc tggaatgnga tgaanacaca gggcagcaca atcaggagac agcctgatgg 300
anaaaantqq qcctancatq qccaqqcctc ttccacatcc tngcangaca gaccactgtg 360
cccaaacaca cccnctqaqc tqacttnnac aqqaqacqca cnaaqqaqcc cqqcaqanqc 420
<210> 142
<211> 371
<212> DNA
<213> Homo sapiens
<400> 142
gggttcgaca atgctgatcc gcaattagaa gacactggta agctgtgtta cactgggctt 60
cattgaaatc ttcaaggata tagccagctc ctgctcgaag ctgggattct gtatactgct 120
tgttgaaagg aggaatttcc aaaaattcct cctcttcttc actgcttcct gtaggaccat 180
ctggcagttt ggagcggctg gccaacttgt cactggttgt ggccatggta aggagaaatg 240
cgtagcccag aaacaaggtc ttgttgagag gcaaaggccc tctctgctct tccagggcag 300
agggttcacc ggtgttgtct ccactctcac aggggctcac aaactctcct gcccctactt 360
gcaccaggtt t
                                                                   371
<210> 143
<211> 270
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 13, 20, 41, 76, 77, 104, 110, 123, 145, 154, 165, 190, 199,
217, 239, 241, 247, 262, 267, 269
```

```
<223> n = A, T, C or G
<400> 143
ggtggctgtg atnacctttn ttagtttaca aataaaaaag ntaaaaagaa atactgtgtt 60
tagggtaagg taacannttc atctaatcag aggagagtga agangaggcn ctgccttcta 120
ggngctgtga ccttctcctt ttcgngattc ttcnccacct tgggnaacat cttccccgct 180
atgctggaan tacttcggng ttctgcggtg gccatgntga acatctgatg aactgaaant 240
ncatccnaat gcacacgaag anatagncna
<210> 144
<211> 259
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 28, 167, 223
<223> n = A, T, C or G
<400> 144
ttctctttgc tttttataat tttaaagnaa ataacacatt taactgtatt taagtctgtg 60
caaataatcc ttcagaagaa atatccaaga ttctgtttgc agaggtcatt ttgtctctca 120
aagatgatta aatgagtttg tetteagata aagtgeteet gteeagnaga aeteaaaagg 180
ccttcaagct gttcagtaag tgtaggttca gataagactc cgncatacga attccagctt 240
cccgtgccca ctgtacctc
                                                                   259
<210> 145
<211> 433
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 8, 406
<223> n = A, T, C or G
<400> 145
accacatnta ccatagtgta attagtttta attttcacat gaatcaaagg tttcctttca 60
tqtctattta caqtccaatt qtqccaaact cttacttqtq tqctqactaa caaqqcattt 120
aggtgtgcag catcctagag tgctccaggg cagtgtcagc gttctcggga gtaaaaggtg 180
ccacttggta gcaatgatat tccagaatta aatgggtttt tgttgccatg gagactgcat 240
ttatataaat gtagcetgta gettaagtta actaaaceta atgetgetgt taaaaacagt 300
ttattttaat attaaaatac agttgattag caacagcggt gctgtatttt aagagacact 360
ttattggaag tgcaatcata gttatttgtt ttcacaattt tacagngcat tctaattact 420
gatgggtgca att
                                                                   433
<210> 146
<211> 576
<212> DNA
<213> Homo sapiens
<400> 146
acctcaggcc tgtgcacctc tttgcttgaa atatggcaag acttggaaaa atgtttgccc 60
ttagaatcta tctcactact ttagttagtt gtctcctttg ggcctgggca cagttctggc 120
```

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cctgatctgg aacagactcc cttttctaaa actggacctt gaccacatca aaagtttgta 180
aaacaatctc catggtaatt aaacttgcat tcaacaccat atggtaacag aagatggcaa 240
aggataagat tcagatctta gatctttcca agtagggcat gttagatgat agaaggatta 300
gttgcaagct ggatctgagc tcaggcttgg gcatgaagga aactgtctcc catgtggttt 360
ggaagagtta ggggctccct gagctctatt gtgaactata cgggtttcat ccaaggaatg 420
gtatgatgtg ggcataaaac cattcttcag acaactgaag atggtcccct tctgtagcca 480
gaaacactag ctgtcctgca ttgccatttc ctttacccca ggcggcctgc agaaggaaag 540
gccataatta attaaaaggc ttaatgaagt tttgga
<210> 147
<211> 300
<212> DNA
<213> Homo sapiens
<400> 147
ccagccccca ggaggaaggt gggtctgaat ctagcaccat gacggaacta gagacagcca 60
tgggcatgat catagacgtc tttacccgat attcgggcag cgagggcagc acgcagaccc 120
tgaccaaggg ggagctcaag gtgcttatgg agaaaggagc taccaggctt ctgcagagtg 180
gaaaagacaa ggatgccgtg gataaattgc tcaaggacct agacgccaat ggagatgccc 240
aggtggactt cagtgagttc atcgtgttcg tggctgcaat cacgtctgcc tgtcacaagt 300
<210> 148
<211> 371
<212> DNA
<213> Homo sapiens
<400> 148
acataatcct cataatggtt ggggcagcta taatttacta caagaatcag atgtttcaca 60
tetagacete gggeageaac agaggtagee acaagaagtt tgeaggteee attettaaag 120
tcatttatqa tqctatctct qtcatattqa tcaaatqqcc tccatqaaqa qacatqcaaq 180
gataagatgc tctcattaaa tccttaagaa gaccatcagc atgttcctgc ttatccacaa 240
atataatgac agatcctgac tcttgataat ggcctagaag ctcaagtaac ttcaagaatt 300
tettttette tteaateaca ateaettgtt getecaeate tgageaaace acaeteetge 360
ctccaacttg t
<210> 149
<211> 585
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 10, \overline{3}0, 32, 527, 565
<223> n = A, T, C or G
<400> 149
cgaggtacan cactgctaaa tttgacactn anggaaaagc attcgtcaaa gagagcttaa 60
aatgcatege caacggggte acetecaagg tetteetege catteggagg tgetecaett 120
tecaaaggat gattgetgag gtgeaggaag agtgetaeag caagetgaat gtgtgeagea 180
tegecaageg gaaceetgaa gecateactg aggtegteea getgeecaat eactteteea 240
acagatacta taacagactt gtccgaagcc tgctggaatg tgatgaagac acagtcagca 300
caatcagaga cagcetgatg gagaaaattg ggcctaacat ggccagcete ttccacatec 360
tgcagacaga ccactgtgcc caaacacacc cacgagctga cttcaacagg agacgcacca 420
```

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atgageegea gaagetgaaa gteeteetea ggaaceteeg aggtgaggag gaeteteeet 480
cccacatcaa acqcacatcc catqaqaqtg cataaccaqq gaqaqqntat tcacaacctc 540
ccaaactagt atcattttag ggggngttga cacaccagtt ttgag
<210> 150
<211> 642
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 5, 525, 612, 627
<223> n = A, T, C or G
<400> 150
acttncgggt tcgacaatgc tgatccgcaa ttagaagaca ctggtaagct gtgttacact 60
gggcttcatt gaaatcttca aggatatagc cagctcctgc tcgaagctgg gattctgtat 120
actgcttgtt gaaaggagga atttccaaaa attcctcctc ttcttcactg cttcctgtag 180
gaccatctgg cagtttggag cggctggcca acttgtcact ggttgtggcc atggtaagga 240
gaaatgcgta gcccagaaac aaggtcttgt tgagaggcaa aggccctctc tgctcttcca 300
gggcagaggg ttcaccggtg ttgtctccac tctcacaggg gctcacaaac tctcctgccc 360
ctactgcacc aggttttact gtggcagact tgcgacctcg cttggcaggg gaccgttcct 420
cttcagaagt gataagtttt cttttgcctg agagaactcc catggaggca cgaggacttt 480
ctgtgatctt tcgggtaggg gttgtgctgc tactggaggc agtangggtg gctggggagc 540
tgacgttact gcgccgtttc cgcttccttc caccaaattg ctaagctgat atctgctgcc 600
tttgtaagaa gnggtactgc ttcatanggg ccaagcccat ac
                                                                   642
<210> 151
<211> 322
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 1, 171, 240
<223> n = A, T, C or G
<400> 151
nttggacaac atcttccccg ctatgctgga attacttcgg tgttctgcgg tggccatggt 60
gaacatetga tgaactgaaa ttecategga atgeacagga agatatagtt gatetteaaa 120
aatgteettt eeaggaceae cataetgggg aagttettte gggtgeetge naatgggetg 180
caccetgggg etgggeeega getetagete tgteatgeea tegeeactga aateggtttn 240
cagatgatta gtctcttcat gccccgtcca tttttcggtt tttctccagt gttcagaaat 300
tcaaatgatt aacttctggg aa
                                                                   322
<210> 152
<211> 262
<212> DNA
<213> Homo sapiens
<400> 152
acaaaqtctt ctctttqctt tttataattt taaaqcaaat aacacattta actqtattta 60
agtctgtgca aataatcctt cagaagaaat atccaagatt ctgtttgcag aggtcatttt 120
gtctctcaaa gatgattaaa tgagtttgtc tttagaataa agtgctcctg tccagcagaa 180
```

```
ctcaaaaggc cttcaagctg ttcagtaagt gtagttcaga taagactccg tcatacgaat 240
tccagcttcc cgtgcccact gt
                                                                    262
<210> 153
<211> 284
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 241, 264, 282
<223> n = A, T, C or G
<400> 153
ctcgggagta aaaggtgcca cttggtagca atgatattcc agaattaaat gggtttttgt 60
tgccatggag actgcattta tataaatgta gcctgtagct taagttaact aaacctaatg 120
ctgctgttaa aaacagttta ttttaatatt aaaatacagt tgattagcaa cagcggtgct 180
gtattttaag agacacttta ttggaagtgc aatcatagtt atttgttttc acaattttac 240
ngtgcattct aattactgat gggngcaatt acttttaatc gngg
                                                                    284
<210> 154
<211> 531
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 525
<223> n = A, T, C or G
<400> 154
acccacccta aatttgaact cttatcaaga ggctgatgaa tctgaccatc aaataggata 60
ggatggacct ttttttgagt tcattgtata aacaaatttt ctgatttgga cttaattccc 120
aaaggattag gtctactcct gctcattcac tctttcaaag ctctgtccac tctaactttt 180
ctccagtgtc atagataggg aattgctcac tgcgtgccta gtctttcttc acttacctgg 240
cctctgatag aaacagttgc ccctctcatt tcataaggtc gaggacttgt gaccctggat 300
ggttctaaat ggaaaaagca ccgccagatt gtgaaacctg gcttcaacat cagcattctg 360
aaaatattca tcaccatgat gtctgagagt gttcggatga tgctgaacaa atgggaggaa 420
cacattgccc aaaactcacg tetggagete tttcaacatg tetecetgat gaccetggac 480
agcatcatga agtgtgcctt cagccaccag ggcagcatcc agttngacag t
<210> 155
<211> 353
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 243
<223> n = A, T, C \text{ or } G
<400> 155
tcttgacaag actgagagag ttacatgttg ggaaaaaaaa agaagcatta acttagtaga 60
actgaaccag gagcattaag ttctgaaatt ttgaatcatc tctgaaatga agcaggtgta 120
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gcctqccctc tcatcaatcc gtctgggtgc cagaactcaa ggttcagtqg acacatcccc 180
ctgttagaga ccctcatggg ctaggacttt tcatctagga tagattcaag acctttacct 240
canaattatg taaactgtga ttgtgtttta gaaaaattat tatttgctaa aaccatttaa 300
gtctttgtat atgtgtaaat gatcacaaaa atgtatttta taaaatgttc tgt
                                                                  353
<210> 156
<211> 169
<212> DNA
<213> Homo sapiens
<400> 156
agtttgttct actacatttg tggtccacta gttcactttg ctgtgttgat aagcgttacc 60
accaattgca ctttctatag cctcttttac aatgttgctc acttcatcaa caacaaaagc 120
agtotectec geageetggt agtottecat etttecteeg gegegteec
<210> 157
<211> 402
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 147
<223> n = A, T, C or G
<400> 157
gttaactacc cgctccgaga cgggattgat gacgagtcct atgaggccat tttcaagccg 60
gtcatgtcca aagtaatgga gatgttccag cctagtgcgg tggtcttaca gtgtggctca 120
gactecetat etggggateg gttaggntge tttaatetae tateaaagga eaegeeaagt 180
gtgtggaatt tgtcaagagc tttaacctgc ctatgctgat gctgggaggc ggtggttaca 240
ccattcgtaa cgttgcccgg tgctggacat atqagacaqc tgtggccctg qatacqqaqa 300
tccctaatga gcttccatac aatgactact ttgaatactt tggaccagat ttcaagctcc 360
acatcagtcc ttccaacatg actaaccaga acacgaatga gt
<210> 158
<211> 546
<212> DNA
<213> Homo sapiens
<400> 158
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tcatgactga ggttaactta aaacaaaaat ggtaggaaag ctttcctatg cttcgggtaa 120
gagacaaatt tgcttttgta gaattggtgg ctgagaaagg cagacagggc ctgattaaag 180
aagacatttg tcaccactag ccaccaagtt aagttgtgga acccaaaggt gacggccatg 240
gaaacgtaga tcatcagctc tgctaagtag ttaggggaag aaacatattc aaaccagtct 300
ccaaatggat cctgtggtta cagtgaatga ccactcctgc tttatttttc ctgagattgc 360
cgagaataac atggcactta tactgatggg cagatgacca gatgaacatc atcatcccaa 420
gaatatggaa ccaccgtgct tgcatcaata gatttttccc tgttatgtag qcattcctqc 480
catccattgg cacttggctc agcacagtta ggccaacaag gacataatag acaagtccaa 540
aacagt
                                                                   546
<210> 159
<211> 145
<212> DNA
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<213> Homo sapiens
<220>
<221> misc feature
<222> 63, 82, 100, 118, 120, 131, 138
<223> n = A, T, C or G
<400> 159
acttttgcta taagtttcct aaaaatattt aatacttttt tttttcaatt taaattaaat 60
ctnttgatga acagggggg gntggcaaaa tttccaagcn ctggactgga attttganan 120
aggcatttac ngaccctnat aactt
<210> 160
<211> 405
<212> DNA
<213> Homo sapiens
<400> 160
tgtaaatcgc tgtttggatt tcctgatttt ataacagggc ggctggttaa tatctcacac 60
agtttaaaaa atcagcccct aatttctcca tgtttacact tcaatctgca ggcttcttaa 120
agtgacagta tecettaace tgecaccagt gtecececte eggeeceegt ettgtaaaaa 180
ggggaggaga attagccaaa cactgtaagc ttttaagaaa aacaaagttt taaacgaaat 240
actgctctgt ccagaggctt taaaactggt gcaattacag caaaaaggga ttctgtagct 300
ttaacttgta aaccacatct tttttgcact ttttttataa gcaaaaacgt gccgtttaaa 360
ccactggatc tatctaaatg ccgatttgag ttcgcgacac tatgt
                                                                    405
<210> 161
<211> 443
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 33, 49
<223> n = A, T, C or G
<400> 161
tttgctttta atgaaggaca agggattaag acncatagag actggccana caaatgggaa 60
accgaccaga ccageccatg accaaaatat cacaggcaga ccaeccacaa atgcagagge 120
ctcagagtcc acagtgggcg gttggaaccc agggccccag ggaatctttc agctgcattc 180
cggctgtgat cggcgggcaa caggtagagg tgctggaggg ggctgagtcg tgattttcgg 240
tgtctgtcat attcgatcaa gtgtgtcata gagcttcctg tttcatctcc cagttattca 300
aggagagget ggtggeteca cetteceagg aactgtgetg tgaagatetg aagacaggea 360
cgggctcagg caccgcttgt ctggaatgtc aatttgaaac ttaaaaagca gcgaccatcc 420
agtcatttat ttccctccat tcc
                                                                    443
<210> 162
<211> 228
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 97, \overline{1}47, 162, 174, 186, 213, 218
```

```
<223> n = A, T, C or G
<400> 162
tcgttatcaa aatggaagac accaaaccat tactggcttc taagctgaca gaaaaggagg 60
aagaaatcgt ggactagtgg agtaaatttt atgcttnctc aggggaacat gaaaaatgcg 120
gacagtatat tcagaaaggc tattccnagc tcaagatata tnattgtgaa ctanaaaata 180
tagcanaatt tgagggcctg acagacttct canatacntt caagttgt
<210> 163
<211> 580
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 225, 250, 364
<223> n = A, T, C or G
<400> 163
acccaaggct acacatcctt ctgtgaaaca gtctcacgga gactctcaga atcccaagaa 60
ttttcttcaa ccttcttttg ttttgattct gaagggaaca tctgatctgc tctcaatgtt 120
tgttcattct tcaattccaa ggctttattt ggaacagact ttgcatttca atggcaggct 180
cgaaggcaga tggcttctcg ggaggctctg ctttgaaagt ttgcntgtcc atcaattcta 240
aggetttagn tggaatagaa acttteatte tgeagggage etteagaaaa eeateattat 300
caggagactc ttctaatttt ccatttattt tatctatttc tttttgatgc gcagccttgg 360
gtanacacac atcettetgt gaaacagtet cacagagact etcagaatee caagaacttt 420
cttcatagtc cttttgtttg gattctgatg ggagtatctc atctgctctc aatgtttgtt 480
cattetteaa tteeaagget ttatttggaa cagaettttg cattteaatg geaggetega 540
aggcagatgg cttctcggga ggctctgctt tgaaaagttg
                                                                   580
<210> 164
<211> 140
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 16, 79, 107, 109, 116, 125, 136, 140
<223> n = A, T, C or G
<400> 164
acttatatet tttggnettg ggetteteaa agtteaegae agacatagge aeteteaeag 60
tatcaagccc atttaccgnc acctcacacc aatactcgcc ccaccgngng ataggntctg 120
ctggnaactt taatgnatgn
                                                                   140
<210> 165
<211> 370
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 156, 157, 227, 232, 260, 283, 290, 299, 304, 310, 331, 338,
346, 353
```

```
<223> n = A, T, C \text{ or } G
<400> 165
acatggagee actgecacea gtggtgatgg aaageactge ettettacte eggaagggte 60
ctttgtcata catggcagcg taagtgtaag caaactetee tatgaacact cgctcaaacc 120
agcctttcag aatggcaggg actccaaacc actgcnnggg ggaactggaa tatcacaagg 180
tetgeggett ecagettett ttgtteagee acaatatetg ggeteanatg gnettettta 240
taagccagaa cagactcggn aggatactga aagttcgcag ggnccttcan tttacctgng 300
atgncctttn tggaaatgat gggattgaag ntcatggnat aaaggnccga ctncaccacc 360
                                                                   370
tccattcttt
<210> 166
<211> 258
<212> DNA
<213> Homo sapiens
<400> 166
gtcaaaagtc atgattttta tcttagttct tcattactgc attgaaaagg aaaacctgtc 60
tgagaaaatg cctgacagtt taatttaaaa ctatggtgta agtctttgac aagaaaaaaa 120
aacaaacaaa cacttettte cateagtaac actggcaate tteetgttaa ceaeteteet 180
tagggatggt atctgaaaca acaatggtca ccctcttgag attcgtttta agtgtaattc 240
cataatgagc agaggtgt
<210> 167
<211> 345
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 44, 106, 113, 115, 133, 147, 149, 181, 186, 188, 229, 230,
242, 277, 291, 315, 317, 335, 337
<223> n = A, T, C or G
<400> 167
ggtcagccaa acacccagga tctctgtaaa actgaagaac aggncaatgc caccaacaaa 60
teteaaaace tetecageat atteteetat gattggagea catggngage aenantggte 120
acttttaaca canctagcca gacaggngnc atttgggtta acacttcgga acccacagca 180
ntttanantt ctctggatgt catttcgagc acttgtattt attggtcann tttctgtatc 240
tngcgcttgg ttagccctga accaggagca acagggncag cttctggagg ntggttggaa 300
caatacggca agtgntngaa atgacatcca acctncngaa atgac
                                                                    345
<210> 168
<211> 61
<212> DNA
<213> Homo sapiens
<400> 168
gatagtgtgg tttatggact gaggtcaaaa tctaagaagt ttcgcagacc tgacatccag 60
                                                                    61
<210> 169
<211> 344
<212> DNA
```

```
<213> Homo sapiens
<400> 169
acattggtgc tataaatata aatgctactt atgaagcatg aaattaagct tctttttct 60
tcaagttttt tctcttgtct agcaatctgt taggcttctg aaccaagacc aaatgtttac 120
gttcctctgc tgcataccaa cgttactcca aacaataaaa aatctatcat ttctgctctg 180
tgctgaggaa tggaaaatga aacccccacc ccctgacccc taggactata cagtggaaac 240
tgttcattgc tgatgaatgc agcagtcacc aaaaaataca cccaatcttc cagataacct 300
caqtgcactt taggaaatca aaaattacct ggaagcaatt tagt
<210> 170
<211> 114
<212> DNA
<213> Homo sapiens
<400> 170
agcagtqtqt cctccatgaa taaacaggag ttctggaggc ccatcttctg catcttctgc 60
tgattgttct tccccaattt tacttaaatc ccacacattc aggcggcggt cagt
<210> 171
<211> 150
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222>79, \overline{1}07
<223> n = A, T, C or G
<400> 171
actgagagca tttataatct gaccaaattc ataggcatta ttaggcttgg ctatcggaag 60
tttctcaggg tcttctggng acctgctgct tttgcctccc ttctcanaag caaggcatcc 120
catggagacc tcccctgcag ggcttccagg
                                                                    150
<210> 172
<211> 435
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 406
<223> n = A, T, C or G
<400> 172
atttgttttc cactgcctca cactagtgag ctgtgccaag tagtagtgtg acacctgtgt 60
tgtcatttcc cacatcacgt aagaccttcc aaggaaagcc aaatcccaga tgagtctcag 120
agagggatca atatgtccat gattatcttc tggtttaggt ctacagtcaa tgtgatggtg 180
gtctttgctt cccagtctgc cagaatatct ttgtgcttct ctaatcattg gctttaaagc 240
taatcaatqt qttqqcaqca tctctqtcac tcttqtttaa cacqtgaaga aatcaggtag 300
atttttttct gtggcattgt tttcggacct aaaatcaggt atgctgacta tttccaaggg 360
qtttttcaqt tqcttcattt qcttgtaaag cagggaatcc tcttgntgct tttcttttc 420
                                                                    435
tcqatqaqcc cgtgt
```

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<210> 173
<211> 622
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 5
<223> n = A, T, C or G
<400> 173
actgntttcc cccaagtcca tgacatgtat acataattaa tggtttgcct ccttgattgt 60
tttctccaac atccagacat agaggctgac caacgctttt aatgtatcca gatataacag 120
gattaaggtc tggcacatac acctctggat aaatgttgtt cagataccat gtaaaatttt 180
tacactgaag gcggtgtttt atttcaaatc tttttqaaag atcaccaaat gctttttgtt 240
taacaatttt tgctgcatct gtatttctcc tataaaatat ttccttgtat tcatccatcc 300
agacttctgc aaggcgaact tggtttctag caatcacctg agtgcctttt ggaaagctat 360
gagggetttt getgegaaaa acatgteeaa caacagagea aggeataate tecaactgee 420
caccacattg ccatactctg aaagacattt ctatattttc acctccccag atttccattt 480
cttcatcata gcttccaata tactcaaaat attcttttga tatggaaaaa agtcctcctg 540
caaaagtggg tgttttaatt gggtagggtt catctttcct tctttgcttc tcatgatcag 600
gaagcgactt ccacccaatg aa
<210> 174
<211> 362
<212> DNA
<213> Homo sapiens
<400> 174
acggtgcagt tgacccactg ttggctctcc ttgcagttcc tgatatgtca tctttagcat 60
gtggctactt acgtaatctt acctggacac tttctaatct ttgccgcaac aagaatcctg 120
cacccccgat agatgctgtt gagcagattc ttcctacctt agttcagctc ctgcatcatg 180
atgatecaga agtgttagea gatacetget gggetattte etacettaet gatggtecaa 240
atgaacqaat tqqcatqqtq qtqaaaacaq qaqttqtqcc ccaacttqtq aaqcttctaq 300
gagettetga attgecaatt gtgacteetg ceetaagage catagggaat attgteaetg 360
qt
                                                                   362
<210> 175
<211> 486
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 5, 7
<223> n = A, T, C or G
<400> 175
acagninctc tactacactc agoctettat gigccaagit titicittaag caatgagaaa 60
ttgctcatgt tcttcatctt ctcaaatcat cagaggccga agaaaaacac tttggctgtg 120
tctaaaactt gacacagtca atagaatgaa gaaaattaga gtagttatgt gattatttca 180
getettgace tgteecetet ggetgeetet gagtetgaat eteceaaaga gagaaaceaa 240
tttctaagag gactggattg cagaagactc ggggacaaca tttgatccaa gatcttaaat 300
gttatattga taaccatgct cagcaatgag ctattagatt cattttggga aatctccata 360
```

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atttcaattt qtaaactttq ttaaqacctq tctacattqt tatatqtqtg tqacttqagt 420
aatgttatca acgtttttgt aaatatttac tatgtttttc tattagctaa attccaacaa 480
ttttgt
<210> 176
<211> 461
<212> DNA
<213> Homo sapiens
<400> 176
accetggeea etectteet tttggetgge caatgtetee tetgtagget eeagaagget 60
ctcaqqqatq caqqcqcct cctgcagggt tgagttgcaa tgggaacaaa gacagctgtg 120
qtcccataqc accctcatct ggtgacatcc tgctactgac agtcaaaaga agccttccca 180
gatgaaattt tagtcctctg cgcagccatg ctcttcttcc agcaaaagag ccatgtgcag 240
tegggtetge tecceatggg ggetttgatg tgggeeeage agtggateag cetteeagae 300
acgctcaact ctgcacactc ttcctgccgc ctcaggcttt ccaggaccct cccgagcctt 360
atcagagtcc ttaccctcag ggctactgat accttgctgg gtgaccttgg acagattcac 420
                                                                   461
ttacctggac tcagtttcat aatatgaaaa tgatagggtt g
<210> 177
<211> 234
<212> DNA
<213> Homo sapiens
<400> 177
acacattttq taattacctt ttttgttgtt ttgtagcaac catttgtaaa acattccaaa 60
taattccaca gtcctgaagc agcaatcgaa tccctttctc acttttggaa ggtgactttt 120
caccttaatg catattcccc tctccataga ggagaggaaa aggtgtaggc ctgccttacc 180
                                                                   234
qaqaqccaaa caqaqcccag qqaqactccg ctgtgggaaa cctcattgtt ctgt
<210> 178
<211> 657
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 10, 38, 42, 56, 58, 71, 77, 109
<223> n = A, T, C or G
<400> 178
qagctcggan ccctagtaac ggccgccagg gtgctggnat gngcccttgc gagcgngncg 60
cccgggcagg nactttnatc ccccctcatc ttcctgtagc tcatttgtnt ctctcatttt 120
ttggcatatt tttcaagtca cacttaaaaa ctcttccatg tattcacttc tcatcacttg 180
gtctacatgc cgaacctaag gtcaggattc caaaaagatg agtatcctct caaacgcctc 240
ctaageetet ggtatacatg actttggetg tgeaetteat ttagaettea cetttttgtt 300
tgctgttgtt ttttacacta gattcctttg tcttcattaa agataatgaa agattcacat 360
cacagtgcag ctcttcgctt tgtcctttcg taagtccgta gcaactgccg agagttctgg 420
tctgctaggc atgtgtgaaa tccgctttgt ggctctctgt gatttgttcc gcttaacgtt 480
tttatttgtc ttatttacac atgccaaggt ggcaacgtga aaaatgtctc tgacgctatt 540
ttccqactqt aaaqctqaqc attcqatata aqtaqctqct ccaatctqtt tggccatact 600
tgcccctqq tcataqqaca ctqqcqtctq cctqtqattq qaqaqctcta ctaatgt
```

<210> 179

```
<211> 182
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 7
<223> n = A, T, C or G
<400> 179
acaaaanctt ttaaatttta tattattttg aaactttgct ttgggtttgt ggcaccctgg 60
ccaccccatc tggctgtgac agectctgca gtccgtgggc tggcagtttg ttgatctttt 120
aagttteett eectaeeeag teeceatttt etggtaaggt ttetaggagg tetgttaggt 180
                                                                   182
<210> 180
<211> 525
<212> DNA
<213> Homo sapiens
<400> 180
acacgctttt ggccccgacc aatgaggcct tcgagaagat ccctagtgag actttgaacc 60
gtatcctggg cgacccagaa gccctgagag acctgctgaa caaccacatc ttgaagtcag 120
ctatgtgtgc tgaagccatc gttgcggggc tgtctgtaga gaccctggag ggcatgacac 180
tggaggtggg ctgcagcggg gacatgctca ctatcaacgg gaaggcgatc atctccaata 240
aagacateet ageeaceaac ggggtgatee actacattga tgagetaete ateceagaet 300
cagccaagac actatttgaa ttggctgcag agtctgatgt gtccacagcc attgaccttt 360
tcagacaagc cggcctcggc aatcatctct ctggaagtga gcggttgacc ctcctggctc 420
ccctgaattc tgtattcaaa gatggaaccc ctccaattga tgcccataca aggaatttgc 480
ttcggaacca cataattaaa gaccagctgg cctctaagta tctgt
                                                                   525
<210> 181
<211> 444
<212> DNA
<213> Homo sapiens
<400> 181
acaccacaat gtgcatcaag gagacgtgcc gattgattcc tgcagtcccg tccatttcca 60
gagateteag caageeactt acetteecag atggatgeae attgeetgea gggateaeeg 120
tggttcttag tatttggggt cttcaccaca atcctgctgt ctggaaaaac ccaaaggtct 180
ctgacccctt gaggttetet caggagaatt etgateagag acacccctat geetacttae 240
catteteage tggateaagg aactgeattg ggeaggagtt tgceatgatt gagttaaagg 300
taaccattgc cttgattctg ctccacttca gagtgactcc agaccccacc aggcctctta 360
ctttccccaa ccattttatc ctcaagccca agaatgggat gtatttgcac ctgaagaaac 420
tctctgaatg ttagatctca gggt
                                                                   444
<210> 182
<211> 441
<212> DNA
<213> Homo sapiens
<400> 182
acaaccttta ttgcttctcc agcattttcc agaagaatgg tgtcattaga gggccacagg 60
ggatggggga gtaaaaaata acataaacga actgaacaga aatgcaggag ggtggcaaga 120
```

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ggggccgaga ttgggtgttc agggcagaga ggtggaagac caggggcagt cagtgcttct 180
tagettteag ceaecagagt ggagaatteg teaaececaa ttttgeegte eecatetttg 240
tetecageag ceateageat ettggtttet ttageagaea ggtetetgge atetggggag 300
aagcetttta ggatgaatee eageteatee teetegatga ageeaetttg teettgteea 360
gcatgtgaaa caccttcttc acatcatccg cactcttttt cttcaggccg accatttgga 420
agaacttttt gtggtcgaag g
<210> 183
<211> 339
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 4, 10, 58, 67, 168, 210, 226, 228, 232, 238, 239, 289, 292,
297, 302, 304, 323
<223> n = A, T, C or G
<400> 183
tgtntcatcn taaggggatt gggctctaga tctgtcgacg gcgcattgag gatttgcnat 60
cggttangtg gtccgcgagt catgaatttt tgctctggag cgttattgtt tgtgaagttt 120
atccaggaga gaactatgat tgtgtcgatg cgtttactgc aggaagantc acggtctcag 180
tcacggaggt gtaagggtgg actgactgan tgagacaagg gatatntngt tnttatannc 240
ttgtgatgaa cctgcctacc qtttatgtct ctttgctaat gggctctcng tnctgtnatt 300
cncncaagct gcgggggctt ccncggttct gggctctga
                                                                    339
<210> 184
<211> 490
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 78, \overline{8}2, 109, 126, 129, 133, 159, 193, 195, 235, 244, 245,
284, 292, 296, 318, 320, 372, 389, 391, 397, 418, 437, 455,
468, 483, 488
<223> n = A, T, C or G
<400> 184
atatagcaag cttgtacgac cgacacatac ggcgcattgt gctggattgc ttatcttgtc 60
gegegaegte tatataaneg anactacata gteteggaaa tecaeteant tteaagttee 120
caaaanacng ganaaaaacc catgccttat ttaactaanc atcagctcgc ttctccttct 180
gtaaccgcgc ttntngctcc cagcctatag aagggtaaaa cccacactcg tgcgncagtc 240
atcnnataac tgattcgccc gggtactgcc gggcggcgct cganaccaat tngcanaatt 300
cacacattgc ggcgctcnan aagctctaga aggccaatcg ccatattgat ctatacatta 360
tggccgtcgt tnacacgtcg tgacgggana ncctggngta ccattaatcg ctgcacantc 420
cettegeage tggggtntae aaaageegee cateneteea egttgegnee gatggeaagg 480
acnccctnat
                                                                     490
<210> 185
<211> 368
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> 3, 4, 6, 13, 41, 93, 145, 159, 160, 165, 243, 302, 313, 327,
333, 350, 355
<223> n = A, T, C or G
<400> 185
ctnnanatag cangettgta egacegacae aataeggeea ntgtgetgga ttegetteag 60
cgccgcccgg gcagtaccgg cgctcatcta tcngatgatg gcgcaccaat gtggggtttt 120
aaccttttta tatggctggg gacanaaagc gcggttacnn aaccnataac gagctgatgg 180
tcatttaaaa atgcttgggg ttttcccggt cttttgggga attgaaactg agtgggactt 240
canaaactgt gctactttcg cttatctaag tactcggccg caacacctag ccgaatccgc 300
anatatcatc acnctgggcg gcgtcancat gcntctaaag ggccaattcn cctanatgag 360
tcttatac
<210> 186
<211> 214
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 37, 38, 59, 90, 98, 105, 107, 113, 181, 183, 192
<223> n = A, T, C or G
<400> 186
ngggagatcg cagettgtac gactegteat ataacgnnea atgtgetgga tegetteane 60
gccgccggcg gtctaatctg gttcggattn tgtgtgtntt gtctntntta canggtgcta 120
teccettett cetecteete tgecateete ateetttate teetttttgg acaagtgtea 180
nancagacag angcagggtg gtggcaccgt tgaa
                                                                   214
<210> 187
<211> 630
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 39, 63, 70, 111, 116, 199, 205, 209, 268, 277, 442, 448,
492, 511, 514, 520, 545, 546, 555, 596, 608, 611, 620
<223> n = A, T, C or G
<400> 187
cagctgggac gagtcgatca tatacggcgc atgtgttgna tcqctatcqt qtccqqcqaq 60
tanttattan attactgtta tttctgctcc tactggatat gatctcttga nggcangtct 120
gtgtcgtctg gtcacaccat gttctcaggc tgggcaaata ccttcctata atagtttatg 180
gataatgaat gacgactang tctanaaana cgctagctaa ataacacact cagggaaaga 240
gtcttaaata ttgtgaaggt gtttttanta tacaacnttt gtttacataa taggaaataa 300
tttttagact tttaaacaga cacttgagcc agatttgtta atgttaccat ctatagtgtc 360
ttgaaaatat tootottagt ttocaatatg aatgaatota aaatocatot tttcaattat 420
gcccaggccc gtggtcaatg cnccctcnac acttcattaa cggattatac cttgggaaac 480
cataatctgg cntaggacga atcgcctggc ncangctaan aactgccctg tattgagggg 540
ttatnnctga ttgcngaggt gcctctccag gtccccaaag ggtcgtactg ttgaanctgg 600
ctctaatntt ntcttgcctn acaggtctcc
                                                                   630
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<210> 188
<211> 441
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 2, 3, 8, 12, 25, 31, 34, 43, 74, 76, 105, 106, 122, 158,
204, 205, 224, 225, 230, 236, 260, 261, 270, 278, 288, 289,
297, 335, 376, 388, 397, 398, 415, 427, 432, 438
<223> n = A, T, C or G
<400> 188
cnngcaanac anggtcggat tccgntgagg naanaattcc ctnatagggc tcgccccta 60
ttcaccaaac caancngaaa ctcttgcggt caaatctaag ctatnncaca accccactct 120
gnagggtatg cgccccgccc ctgcaatgaa atcaatanca tatttggaga cagagagata 180
gagagagaga ggttcctggc cttnnctatt ctgctcttac ttgnnagatn tcaganatag 240
aaaaacctat cctaggtccn nccaatgatn gcggcttncg aatcccgnng tggccantcc 300
ccggatcgga ctaaatcaaa gaagatcctc cgtcntcctg ttcctccaca ctggaqtccc 360
attgtatgca tgggtntttc actggctnat cataccnnag gatctgtcca ccttnaactc 420
ttctctngga antccctncc c
<210> 189
<211> 637
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 5, 24, 36, 45, 58, 113, 119, 147, 193, 196, 227, 330, 347,
387, 447, 450, 458, 460, 487, 489, 502, 518, 526, 535, 538,
546, 558, 560, 613, 622, 633
<223> n = A, T, C or G
<400> 189
agggngtata tacccacttg tacnactcga tcatanacgc gcatntctga atcgcttnct 60
ggccgcgatg tactgtgggc acttaagcac tgagtactgt ttgcgtcatg ccnggtcana 120
agatgctgct gcaaagggac tccaacnaaa tacactgtct tcaacaggag ttaacacctc 180
acacttggtg ganaanagaa ctcactggtg gtgatgcaca cgactgnatc catcaagtgc 240
gtttgcctgt tgactgctaa ccaaggctct ggcagtacct gcccgggcgg cgctcgaaac 300
caaatctgca aatatcatca cactggcggn cgctcagcat catctanaag gccatcgcct 360
atagtgagtc tatacatcat ggccgcnttt acactcctac tggaaaacct gcgtaccact 420
taatcgcttc acacatcccc tttcgcngtn gcttatancn aaaagcccac gatgcctcca 480
cattgenene tgatggcatg aneccettae gegeatance geggtntgtg taceneangt 540
acceptnetge acgetacnen tetteettet cetetteece tteccepttee teaccatteg 600
gggccttagg tcnatatctc gnccacccaa atntagg
                                                                   637
<210> 190
<211> 653
<212> DNA
<213> Homo sapiens
<220>
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7.7

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<221> misc feature
<222> 29, 59, 112, 129, 134, 143, 157, 177, 180, 203, 247, 276,
306, 315, 320, 327, 334, 337, 363, 421, 424, 514, 523, 543,
571, 591, 593, 599, 610, 612, 618, 634, 637, 651, 652
<223> n = A, T, C or G
<400> 190
agggggtata tacccacttg tacqactgna tcatatacqc gcatqtctqq aatcqcttnc 60
gtggctgcca tgtattgaca ctacttctaa gaactacaaa agtgatactg angatacatt 120
acacagaang gctnacattc teneagatee teatttntca tgatatgtgg acateangan 180
cacgtggata agtgtatcta aanaatggct ttcaaaatat ttccacttta ttaaggtttg 240
acatganatt cataaaatgt cttaatacta tttctnaaaa taacatctaa tcggaaacta 300
tgcctnaact gcacnttttn tgtgtanata atcntanttg tacgcccggc ggcgccaaag 360
conaatotgo gattootoac otggogoogo toaacatoat otaaaggooa atogootata 420
ntantctata catcctqqcc qcqtttacac qtctaatqqq aaaccqqcqt accacttatc 480
gettgeagea eteceettee caetgggtta tacnaaagee genegatgee teceacatte 540
canctgatge aatgaceet gttegeetta neeggggtt tgtgtaceca ntnaceaent 600
cagcgctgcn cntcttcntt ctcctcttct gccnttncgt tccctcactc nng
<210> 191
<211> 663
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 2, 5, 21, 59, 104, 113, 234, 256, 259, 264, 284, 290, 364,
418, 427, 433, 444, 456, 466, 525, 547, 553, 562, 564, 581,
613, 617, 640, 644, 661
<223> n = A, T, C or G
<400> 191
anggngtata tacccactgt negactegat catataegeg catgteggat eggeteeane 60
gcgccggcat gtactatatc tacatcaact gtattatcat ttanatattg atnaaagaca 120
aaatcatact tocatotgot cactgatgat aattactatg atacatgatc atgtaaacgt 180
atcaatataa caatggaaga tooctotgac tatgcaagcc taattttoca atcncatgca 240
ctctcatagc tcaaanatnt cacngacatc ctgatgaaac tatnatacan tttccacaca 300
aatcacttcg ctttagatct ctccattatt cttgcttttc ccccctaaca actacaaatc 360
ctcntgggat gggaagaata tatatcatct actaaaaata atatataatc ccctgcanat 420
ttgtggnaaa tcnggtgtct caanagccac aggagnacaa gggggnacca actaggactt 480
ttgtatgett atctetgtac tegegeacac etaagegatt etgenattet eeetggegge 540
gtcacanete tanaggecat enenatatga tetatacate ntggegtett tacaetetga 600
cggaaaccgg gtnccantta ccctggacca tcccttcgcn ctgntataca aagcccccga 660
ncc
<210> 192
<211> 361
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 2, 31, 45, 48, 57, 63, 84, 94, 108, 125, 143, 161, 162, 174,
178, 184, 200, 201, 219, 228, 232, 239, 250, 258, 260, 262,
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272, 281, 283, 291, 304, 316, 325, 329, 331, 339, 342, 347,
349, 353
<223> n = A, T, C or G
<400> 192
anttittata tacccactgg tacaactcga nectatacgg egeantineg gaatcanett 60
cancggcgcc ggcatgtacc ggtnatcatc atcngatgat ggcgctcnaa tgtgggtttt 120
acctnttata cggctgagat canatcgcgt acataacaaa nncaactgat ggtnaatnta 180
aatnoggttg ggttctcccn ntctgttggg gaacttgana ctgagtgnga cntccatana 240
cgtgctattn tcggctancn antcctcagc gnacacctat ngnagtgcgc naattcatcc 300
atgntggcct cgactnttcc aaaangccnt ncgcccacnt gntcgcnana cantctcggc 360
                                                                   361
<210> 193
<211> 314
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 5, 7, 22, 101, 104, 232, 254, 282
<223> n = A, T, C \text{ or } G
<400> 193
agggngnata taccaactgg tncgactcga tcctatacgc gcatttcgga ttcgcttcaa 60
cggcgccggc atgtaccaaa cctcaatccc aaccgtctca nttngacggg ctcagttctg 120
tcacagccac cccacatttc ttttgttttg tctgccactt caaaagaatt ccaaataaga 180
attctgctgc agctccgtac aaggatatgg gcagcacagc acacacagag tngtgctcct 240
cacacttctc tggnaatgtc tcgtgaatat ctcaacagtc angaagtggg gcgttatcaa 300
aaacaatcag ggcc
                                                                   314
<210> 194
<211> 550
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 4, 6, 22, 51, 64, 96, 108, 134, 156, 220, 221, 223, 264,
273, 287, 302, 304, 314, 325, 336, 343, 358, 360, 361, 375,
390, 428, 430, 443, 444, 446, 456, 463, 468, 474, 492, 509,
522, 525, 530, 533, 540, 549, 550
<223> n = A, T, C or G
<400> 194
aggngngata tacccactgg tncgactcga tcctatacgc gcatgtcgga ncgctatgtg 60
gtcncgcaag tacctcttct gcagtgatgg tctgtntcct ctatgatnag tgatcgaata 120
atcatcgaat tcancgaaag ttattcgagt gatatntgtg gcttgtagaa tctatgctcc 180
atggtgtggt cactgtcaag attaacacag aatggaagan ncngcactgc ataaaagatg 240
ttgtcaaatt gggtgcgttg atcngatagc tcntcccaag aggtcantgg tgttcaggat 300
tnenacataa gatnttggat cacengacga ceagangata cengtgeaaa etgtgaanen 360
ngtaatctgc ctatncctgc cctctcggan gatccctcgg ggacgacgag atcattctgg 420
aaacagcnan tgatagtcca gtnnangatt gatgancgac ganacgcntg atanatgtct 480
gacgtgagat tnggatgtga atcttcccnt gtgtgacctg cnccntaccn aanggtgcgn 540
```

```
550
ctccactcnn
<210> 195
<211> 452
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 2, 8, 34, 41, 50, 55, 56, 93, 99, 113, 123, 132, 143,
183, 214, 237, 244, 245, 255, 272, 293, 299, 301, 312, 335,
345, 346, 359, 363, 371, 379, 384, 387, 406, 412, 413, 420,
422, 434, 441
<223> n = A, T, C or G
<400> 195
nngcgggnat gataccaact ggtacgaact cganctctat nacggcgctn tttcnngatc 60
tgctatgtgg tctcggcaat gtacattata acngggcana catataatct acntctgtct 120
ttntctcccc cngagagcgc aancatctcc aaatcgggtt ctgggtcatc caatggtctc 180
cantaatcac acaactcata tatatttatg gaangtgtct gtcatcgtcc ccacgangga 240
agtnncgtcg ctgtntgtct gtcactaggt gngtactctc cagtacttga aanctggtna 300
nggctgtctg tngtactggc cggcgccctc gaaancgaat ctgtnnatat catcacatng 360
cgncgcccga ncatcactna gggncanttc gcctatactg atcgtntgcg anncctgcgn 420
cncttacacg tcgnacggga naccggcctt cc
                                                                    452
<210> 196
<211> 429
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 6, 7, 8, 21, 52, 103, 109, 201, 205, 222, 238, 277, 370,
400, 421
<223> n = A, T, C or G
<400> 196
gegggnnnat gataceaget ngtaegaete gateetataa eggegeatgt gngtategge 60
tacgtgtctc ggcgatgtac atataacggg gcaacatata atnatacant ctgtcttttt 120
ctcccccgga aacggcaacc atctccaata tcggtctggg tctccaatgg tctccaacta 180
aatcacacaa gtcaaatata nttanggaaa gtgtctgtct cntccccaga aggagtancg 240
ttagctgttg tctgtcatta ggttggtacc tccagtnaca tgaaaactgg tgagggtgtc 300
cttgtacaag ctctgcctca ccagatccta tactattagg gggcccacgg ttatctatct 360
taagggtetn aaaacetgga etteatetge teeggeggan gaatgteeeg ettaettaeg 420
                                                                     429
ntgttccac
<210> 197
<211> 471
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 14, \overline{32}, 38, 53, 57, 83, 100, 103, 115, 116, 124, 141, 145,
```

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170, 192, 195, 207, 237, 300, 318, 326, 354, 361, 369, 377,
409, 411, 416, 452, 461
<223> n = A, T, C or G
<400> 197
atgatacgca gctngtacga gccgtcacta tnacggcnca ttgtgtggat tcnqctntga 60
teggegeeeg ggeatgteea tenagagege ateatgggan tgnacteeec atatnntgae 120
caangttege geaaggagee naganeegat actacetgag etgtegtetn gttatacaeg 180
tttctggcca angancaact ccacatncaa caagttggtg ttgaaatgtt gtttatnagt 240
ccaccaaccg geogetetgt ecetteecga tgateegaag ataagettee tgteeggaan 300
acgaacggcg tggtgtgngg acatantgat atgtgcgggt caggaagtac tcgncgcaac 360
negcaagena atetgenata teateacetg geggegeteg agetgeeana ngecentteg 420
cctatatgag tctatacatt cctggccgtc tnttacactc ngacgggaaa c
<210> 198
<211> 643
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 2, 5, 38, 55, 62, 98, 112, 125, 259, 295, 414, 436, 437,
462, 521, 563, 574, 575, 587, 601
\langle 223 \rangle n = A, T, C or G
<400> 198
tngtncgacc gtcactatac gcccatgtgt ggatccgntc cacggcgccg ggcangtacg 60
anactatatt gatcctctga tattgaaagt tggtctanca ataaccttta angcaaatca 120
ctcantgagt tttgaccaga agtcaccaca tcatgaatca cagtctatgg caaatgatac 180
cagtgtctct aagtcctatg ctcaaggtaa gagcatgcta ttccgtttta catttactgg 240
aatttactgt tcattcatna ttaaaatctc tagttttcat cctcaactgt ctaanaccag 300
tgtgcacaga cttaagactc tgttctcctc attttctcca acagaaacat tctcagtgtc 360
tactgttcta aaagggaatt tccgaggtgg cacttctcgg aatatcgacc ctcnggctct 420
atcaggogtt acttenngea ctegteattt gggettgtte anttgtetta tetgteeagt 480
cacttcattt taagaaaaca attgatcgct ggtcacatgt nattcattgg cagccggtgt 540
gactgctgag tctcgcgcac acnctagcaa tcgnnattct ccatggngcg tcactctcta 600
naggccatcc cctatatgat ctataatctg gcgtctttac act
                                                                   643
<210> 199
<211> 292
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 6, 21, 39, 59, 87, 129, 165, 186, 223, 225, 231, 256,
257, 261, 268, 272, 279, 287
<223> n = A, T, C or G
<400> 199
neggenggag ttegeagttg nacgaeegat eetataegne geatttetga teegetaent 60
gtccggcgag tctatgctat ttatttntga ttaaatcaat attttctttc tgaatattaa 120
tettatetnt aettttatae tattgaeeta getatatgta ttganetttt tgaaeteeta 180
teagtntttt teatgetate gtatatttte eacttggtae etntngetga nteetagata 240
```

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tegtaaaaca tetetnnate nteacaenga gneeagggnt etgtatngaa tt
                                                                   292
<210> 200
<211> 275
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 24, 67, 75, 96, 135, 155, 162, 166, 173, 181, 192, 197, 204,
225, 230, 244, 245, 254
<223> n = A, T, C or G
<400> 200
atacgcaage ttggtaccga getnggatee etattaaccg geegeaatat tetggaatte 60
tgcttancgt ggtcncggcc gaagtactat gctatnttac ttttttggga tataaaatca 120
atatatttct ttctnaagta tataaatctt atccncgtat cnttcnatac ctntctgaca 180
ntaagcttat angtatntga tetntgttga actectatea agtgnttten catgetateg 240
tganntcttc cacnttggta ccttttacgc tgaat
<210> 201
<211> 284
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 3, 4, 5, 16, 23, 94, 116, 121, 135, 141, 168, 171, 173, 185,
196, 200, 212, 223, 224, 238, 239, 269, 271
<223> n = A, T, C or G
<400> 201
cgnnnatcca gtgtanaccg tcnttacgcg cattctgatc gttcacgccc gcgtctttat 60
atctatctcg actgattcac ctgtcattgt aaanaattcg tgtcagctgt ctaccnctta 120
nacatcatct aatcnaacta ncctgataaa tttcttcaat agggatanac ntntagtaca 180
tacgnttcca ttgagntacn tccgcggacc cncatcgcaa acnncatgcg gtcagtcnna 240
gcatcctcta tcttaatccg tccttaccnt ntgaacgctc cact
<210> 202
<211> 448
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 93, 117, 124, 143, 144, 153, 172, 175, 186, 197, 203, 207,
212, 258, 266, 269, 272, 280, 284, 287, 294, 299, 301, 309,
311, 314, 345, 347, 358, 367, 369, 372, 378, 386, 388, 390,
402, 415, 416, 432, 437, 439, 446
<223> n = A, T, C or G
<400> 202
atgatacgca agettgtacg actcggatca tataacggcc gcaatgtgct ggaattccgc 60
ttcgacggac gccgggcatg tacttttata atnctactcc tcagaccttg catctcnacc 120
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gctnggtcca gtttgtaaaa acnnacttcc gtngtgcagc cctggttctg ancantctct 180
atcacnetet atceteneat ceneaanact anategegtg aatteatatt tatteatttt 240
ccataatgat gggggaanga ctatenetna tnatgettan eacnetnget geanttegne 300
natctegena ngentgaaac gattastetg tegegaacee tetangntga attetgenaa 360
atatetntna enetggengg egetenangn atgeeteteg anggeeaate egeenngeat 420
gattctaatt anatccntng gtcccntt
<210> 203
<211> 321
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 7, 18, 29, 48, 52, 71, 88, 91, 104, 109, 131, 143, 196, 201,
213, 248, 254, 261, 287, 291, 298, 303
<223> n = A, T, C or G
<400> 203
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tgtccggcga ngtaccatat aatcgaanta ncatagttct ggangcccnc tcattttcaa 120
tttcccaaaa nacgggaaaa ccnaagcctt atttaactaa ctatctgctc gcttctcgct 180
tetgtacege getatntget necageetat aanaagggta aaaceeacae teggtgegte 240
agtotocnat atantgagto neegggtact ggccgggcgg togttonaaa noaattoneg 300
aanttcacta ctggcggcgc c
                                                                   321
<210> 204
<211> 369
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 5, 119, 137, 287, 289, 290, 326, 348, 355
<223> n = A, T, C or G
<400> 204
ntgtngtatg tacccagtgg tacqactcqa tcctagtacq qcqcaqtqtg ctqaatcqtt 60
acttgtcgcg gccaagtatc tataaagcaa actatcacag ttctgaaagt ccatctcant 120
ttcagttccc aaaagancgg gaaaacccaa gccttattaa actaacaatc agtcgctctc 180
gettetgtae egegettttg geeceeagee tataaaaggg taaaacccae acteggtgeg 240
ccagtcatcg ataactgaat cgcccggtac tgcccgggcg gcgctcnann ccaaatctgc 300
agatatcaca cactggcggc gctcancatg ctctaqaagg ccaattcncc tatantgatt 360
ctattacaa
                                                                   369
<210> 205
<211> 2996
<212> DNA
<213> Homo sapiens
<400> 205
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acagagagca gctgtatttg gagctgagcc agctgaccca cagcatcact gagctgggcc 120
cctacaccet ggacagggac agtctctatg tcaatggttt cacacagegg agctctgtgc 180
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ccaccactag cattectggg acceccacag tggacetggg aacatetggg actecagttt 240
ctaaacctgg teectegget gecagecete teetggtget atteactete aactteacea 300
tcaccaacct gcggtatgag gagaacatgc agcaccctgg ctccaggaag ttcaacacca 360
cggagagggt ccttcagggc ctggtccctg ttcaaqagca ccagtgttgg ccctctgtac 420
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gacageetet ttgteaatgg ttteasteat eggagetetg tgteeaceae eageaeteet 660
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ggtccagatg agectectae aacteccaag ceagecacea catteetgee teetetgtea 1560
gaagccacaa cagccatggg gtaccacctg aagaccctca cactcaactt caccatctcc 1620
aatctccagt attcaccaga tatgggcaag ggctcagcta cattcaactc caccgagggg 1680
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acctgcacct accaccetga ccetgtgggc ccegggctgg acatacagca gctttactgg 1860
gagetgagte agetgaeeea tggtgteace caactggget tetatgteet ggaeagggat 1920
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aatttccaca ttgtcaactg gaacctcagt aatccagacc ccacatcctc agagtacatc 2040
accetgetga gggacateca ggacaaggte accaeactet acaaaggeag teaactacat 2100
gacacattcc gcttctgcct ggtcaccaac ttgacgatgg actccgtgtt ggtcactgtc 2160
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agcatcaaga gttatttttc tgactgtcaa gtttcaacat tcaggtctgt ccccaacagg 2520
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gttgccatct atgaggaatt tctgcggatg acccggaatg gtacccagct gcagaacttc 2640
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ggagaataca acgtccagca acagtgccca ggctactacc agtcacacct agacctggag 2880
gatetgeaat gaetggaact tgeeggtgee tggggtgeet tteeceeage cagggteeaa 2940
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<210> 206

<211> 914

<212> PRT

<213> Homo sapiens

<400> 206

Met Ser Met Val Ser His Ser Gly Ala Leu Cys Pro Pro Leu Ala Phe Leu Gly Pro Pro Gln Trp Thr Trp Glu His Leu Gly Leu Gln Phe Leu 25 Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser 40 Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu 5.5 Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser 70 Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala 105 100 Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu 120 Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu 135 Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr 150 155 His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val 170 Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala 185 Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn 200 Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr 215 220 Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr 235 230 Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro 245 250 Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg 265 Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu 280 285 Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu 295 Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val 310 315 Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn 330 Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly 345 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser 360 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg 375 380 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp 390 395 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile 405 410 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg 420 425

Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile Tyr Glu Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn Phe Thr Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe Pro Asn Arg Asn Glu Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val Ile Leu

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Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile Cys Gly
                                        875
Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr Asn Val
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                                    890
Gln Gln Cys Pro Gly Tyr Tyr Gln Ser His Leu Asp Leu Glu Asp
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                                                    910
Leu Gln
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<213> Homo sapiens
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tagcatcatc attattctgg ctggagcaat tgcactcatc attggctttg gtatttcagg 180
gagacactcc atcacagtca ctactgtcgc ctcagctggg aacattgggg aggatggaat 240
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ggatgaaatg ttcagaggcc ggacagcagt gtttgctgat caagtgatag ttggcaatgc 420
ctctttgcgg ctgaaaaacg tgcaactcac agatgctggc acctacaaat qttatatcat 480
cacttetaaa ggcaagggga atgetaacct tgagtataaa actggagcet tcagcatgce 540
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gttcccccag cccacagtgg tctgggcatc ccaagttgac cagggagcca acttctcgga 660
agtctccaat accagctttg agctgaactc tgagaatgtg accatgaagg ttgtgtctgt 720
gctctacaat gttacgatca acaacacata ctcctgtatg attgaaaatg acattgccaa 780
agcaacaggg gatatcaaag tgacagaatc ggagatcaaa aggcggagtc acctacagct 840
gctaaactca aaggettete tgtgtgtete ttetttettt gccatcaget gggeacttet 900
gcctctcagc ccttacctga tgctaaaata atgtgccttg gccacaaaaa agcatgcaaa 960
gtcattgtta caacagggat ctacagaact atttcaccac cagatatgac ctagttttat 1020
atttctggga ggaaatgaat tcatatctag aagtctggag tgagcaaaca agagcaagaa 1080
acaaaaagaa gccaaaagca gaaggctcca atatgaacaa gataaatcta tcttcaaaga 1140
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taaaatgcac gtggagacaa gtgcatcccc agatctcagg gacctccccc tgcctgtcac 1260
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ttttaaacaa acaaatgcgg gtttatttct cagatgatgt tcatccgtga atggtccagg 1680
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tgtcaactgt gtcaggacta agaaaccctg gttttgagta gaaaagggcc tggaaagagg 2040
ggagccaaca aatctgtctg cttcctcaca ttagtcattg gcaaataagc attctgtctc 2100
tttggctgct gcctcagcac agagagccag aactctatcg ggcaccagga taacatctct 2160
cagtgaacag agttgacaag gcctatggga aatgcctgat gggattatct tcagcttgtt 2220
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gagettetaa gtttetttee etteatteta eeetgeaage caagttetgt aagagaaatg 2280

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cctgagttct agctcaggtt ttcttactct gaatttagat ctccagaccc ttcctggcca 2340
caattcaaat taaggcaaca aacatatacc ttccatgaag cacacacaga cttttgaaag 2400
caaggacaat gactgcttga attgaggcct tgaggaatga agctttgaag gaaaagaata 2460
ctttgtttcc agccccttc ccacactctt catgtgttaa ccactgcctt cctggacctt 2520
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tcaagagaat gattaaatat acatttccta caccaaaaaa aaaaaaa
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<211> 282
<212> PRT
<213> Homo sapiens
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Ile Ile Leu Ala Gly Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser
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Gly Arg His Ser Ile Thr Val Thr Val Ala Ser Ala Gly Asn Ile
                            40
Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu
                        5.5
                                             60
Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val
                    70
                                        75
His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met
                                    90
Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn
            100
                                105
Ala Ser Leu Arg Leu Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr
        115
                            120
Lys Cys Tyr Ile Ile Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu
                        135
                                            140
Tyr Lys Thr Gly Ala Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn
                    150
                                        155
Ala Ser Ser Glu Thr Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln
                165
                                    170
Pro Thr Val Val Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser
            180
                                185
Glu Val Ser Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met
                            200
Lys Val Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser
                        215
Cys Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val
                    230
                                        235
Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser
                245
                                    250
Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu
                                265
                                                    270
Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
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                            280
<210> 209
<211> 309
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<212> PRT

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<213> Homo sapiens
<400> 209
His Ala Ser Ala His Ala Ser Gly Arg Gln Arg Gln Leu His Ser Ala
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Ser Thr Gln Ile Arg Trp Glu Pro Ser Pro Ala Met Ala Ser Leu Gly
            20
                                 25
Gln Ile Leu Phe Trp Ser Ile Ile Ser Ile Ile Ile Ile Leu Ala Gly
                             40
Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile
                        55
Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile
                    70
                                        75
Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile
                85
                                    90
Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu
            100
                                105
Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr
                            120
                                                 125
Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu
    130
                        135
Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile
                    150
                                         155
Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala
                165
                                    170
                                                         175
Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr
                                185
Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp
        195
                            200
Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr
                        215
                                             220
Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val
                    230
                                        235
Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn
                245
                                    250
Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile
            260
                                265
Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys
                            280
Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu Leu Pro Leu Ser Pro
                        295
Tyr Leu Met Leu Lys
305
<210> 210
<211> 742
<212> DNA
<213> Homo sapiens
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<222> 341, 447, 451, 458, 535, 573, 650, 681, 683, 725
<223> n = A, T, C or G
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<400> 210
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aggcccgacc gctccctgag agccagcaac gggcagtgat gtttagcccc gaggaaaaat 120
tacatgcgga atggaaagca ggcgctcagg gtggctcctg ctggaatgag agctggagtg 180
caggeteegt ggtteetggg catgegggtg tggeteagtt etcacettge agatggagtg 240
ggactgttga cecaggecag cetggggact geeteeteac etecetgege aggetgacet 300
tgtcaccttg cctcttgagc ttgcctctct cctgcccaga ngtccttgga gcaaaatgga 360
ggtcgagagg catttggcac tcacgcctca ccacggacac tqqtqcattc ttqqqtacct 420
cttggcctca atctattgct gggggangga ngactgangc ccattgctgg ggccctgaat 480
gcagggactg taaccaccca teceettete agggeacete teceteteea geacnettge 540
tttgctatta atgctaccta atttcctact gangtggtct agaagctcct ccgccattgc 600
ccttgccgcc agcaaatttt tatccctagg gttaagataa cagaaggcan ccttgggcct 660
tgcctgccac attctcaggt ntncactgaa gcacagtatc tatttctcca aaaatagggg 720
ctgtnaactt gttactaccc cc
                                                                   742
<210> 211
<211> 946
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 530, 540, 574, 608, 661, 719, 722, 734, 735, 785, 786, 807,
811, 827, 829, 835, 840, 865, 877, 894, 898, 899, 921, 924,
<223> n = A, T, C or G
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aacctcttat tcttatttca tggatgcaac attttctttg tctctcaqqq aataataatt 120
attectactt ttaaaggtet aatttettta ttaetttatt tetetgggag tgagttttte 180
ctaaagggat aatgagatgg aaaatgaaaa aacaaagttg agacatggag ataccttctg 240
aaactcaagc attoototac gtggatgtgc cagagggaaa gaacagaaca aaggagggta 300
gacactattt aaataaaaat atataagaat attacataac aaacaaaaaa gcccaaatcc 360
tcaggttgaa aaggaggaga aaatgtcaag caagacaaaa acagatgaag caaccaaaaa 420
agtgacatag ctggtcacct atattgaaat ttcagaacat gagtgataaa ggactcccag 480
aaaaaaaacaa aacccaaact aaaaaacaga aaaaaaggac tttaccaccn aaaacttgan 540
gaatcaggaa gactcagtct ctcattaaga aaantgctat aggggatggg ggcaaggcct 600
tcaaagtngc aggggatacc aataacctct ctgaagtttt ggaacttcat actccaaaat 660
ngaatttttg tttgaatagc cccggttagg ggccaatttt aggacttaga aaggacccng 720
gnaaatcatt cccnncttgc ccccccgaa agaaattaat agaaggggtt tattcccgcc 780
attannaaaa aaggaatcca ggaattnccg ntttttcca gtgttangnt ggggntgtan 840
aaactgaggg cttagcaagg gcggnattaa ccacccnggg tcccacccca aaantggnng 900
gggtgggccc caaattcggg nttnttncct ttaangcgtt aaaccc
                                                                  946
<210> 212
<211> 610
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,
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563, 585, 593
<223> n = A, T, C or G
<400> 212
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gtggtangag ggcaaccagt aacgggagct tctcctgcca ggcaggaaga cgagtagaag 120
ggageggeat getggagget ggageetgag eecetgggge tegeettget qtqtttqqtq 180
gtgacgtggg acactgcagc tcggccagag tggtaaaaaa tgtcctggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtacgctg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acagggagtg aggcttctca ntggcttgaa agctcagctg 420
acteceaega aatttgeegg aaaeteaagg etgteagtga enttegtgge geeaagaett 480
aancangege gttgeatgea teeggeeagt gtetgtgeea egtgeeetga enceaeettg 540
anataancac ceggaaegeg ennegegeag geegegegea caegneeggg cancaacttg 600
gctggcttcc
                                                                   610
<210> 213
<211> 438
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 5
\langle 223 \rangle n = A, T, C or G
<400> 213
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ttccattgag agtcaaaaac atattgatat gattattatt ggtctgttaa agaaaacaaa 180
ataaaaagaa caaactggga attatcaata aacaaatcaa aacttagatg taattataac 240
ctaaagggct cacagggcaa atgtgaagca agcttctgtc tcagagcctg catatggaag 300
acatgtagta cttagctttg gcatctttct ttcctcctct tggttgagtt taagtattaa 360
taaaaggtgg actgagaaaa cctttttta caatcttatg gggtattttt agtggaaacg 420
ttttagaagt aggaatat
<210> 214
<211> 906
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 14, 302, 324, 432, 444, 461, 498, 528, 561, 585, 617, 645,
660, 669, 699, 701, 760, 781, 824, 835, 849, 863, 872, 875,
881, 888, 893
<223> n = A, T, C or G
<400> 214
gccctctaga tcgngcggcc gcccttttt ttttttttt gaaataaatt tctagattat 60
ttattacata agcagaccac tgaaacattt attcaaaagt attccattga gagtcaaaaa 120
catattgata tgattattat tggtctgtta aagaaaacaa aataaaaaga acaaactggg 180
aattatcaat aaacaaatca aaacttagat gtaattataa cctaaagggc tcacagggca 240
aatgtgaagc aagcttctgt ctcagagcct gcatatggaa gacatgtagt acttagcttt 300
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gncatctttc tttcctcctc ttgnttgagt ttagtattaa taaaagttgg actgagaaaa 360
ccttttttta caatcttatg ggttattttt agtggaaacg tttagaagta gaatatacat 420
attaaaactg cncagaacaa atgnggtgca tctcaaatgg nggtccattt tcaaaatatg 480
aacacatatg ggcagcantt tttttttaa aaagtcagaa ggggcctnct catgcccctt 540
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tcataaacta gtttccnagc tttgaaactt ttttccaatg agtcntaccg gaatagatgn 660
tcacagaanc ctcttaaaaa ttttggaccc tgcccgggnt ntaaaaaggg tgcaataaac 720
ccaccaacat cttggctggg ggggcagggg ccaaaagaan ttcccaaaac cgtttttgat 780
naaaaaaggg gacttttgaa aaaaaaatta aaattttttgc caqnaaagca tgggnccccc 840
cccttgaana aaccccctgc atnaaaccaa cnttntggga nttttttngg tanggttttt 900
ctggct
                                                                   906
<210> 215
<211> 312
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 188, 294
<223> n = A, T, C or G
<400> 215
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gagctggccg tgggctgtgg gggttgtagg ggcatcttgg taagggaacc ctcgctcagt 120
ccctctctgt tctggtgggg aggacaagga gggccaatag gggccaatag ggaggctgct 180
gctaggangg tttcctaaaa gaacaggtgt agggctaggg ctggttctta gttcaggttg 240
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gataggagtg tc
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<210> 216
<211> 341
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 8, 14, 30, 40, 45, 51, 69, 84, 91, 95, 112, 115, 117, 136,
142, 145, 176, 189, 191, 226, 227, 231, 236, 294, 314, 331,
332, 340
<223> n = A, T, C or G
<400> 216
taagcctntc gaanataatg aatgagtcan ggagaggctn atgangaaat nccaaacacc 60
tgactaatng gtgccacatg attncaatgg nctanacatg ggttagatct entengngga 120
atgagcaata acacenttaa antenteaat tgacetagae aetteacaet tgaaanatea 180
tcacttttna ngaccacgaa tgatgcttaa gaatcacatt ttgtgnngaa ntggantctg 240
gctacttaca cgaacagatt cttattcctg ttcatgagcc agtagacccg gaanaagact 300
taagagette tganetttet ettageteea nngettgaan g
                                                                   341
<210> 217
<211> 273
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> 1, 2, 8, 15, 18, 36, 41, 59, 60, 70, 77, 81, 91, 96, 97,
101, 110, 123, 149, 173, 174, 176, 191, 195, 202, 218, 227,
228, 232, 241, 244, 253, 262, 269
<223> n = A, T, C or G
<400> 217
nnccttence cettnaenga catgaacaaa acagengtet ngaaatttta ttaacattnn 60
aagggttacn ctccctnctt ntgttttccg ntaaanncta nacctgcgcn ggggcggccg 120
atnoagecet atagtgagaa geetaattne ageacactgg eggeegttae tanngnatee 180
cgactcggta ncaanttttg gngtaaagat ggacatanct ctatccnnga gnactcgtca 240
nccnttctct atnttacatg cnctaacgna gac
<210> 218
<211> 687
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 56, 59, 74, 123, 138, 169, 177, 183, 187, 205, 227, 229,
237, 238, 245, 253, 329, 334, 372, 456, 474, 480, 516, 558,
563, 564, 584, 593, 599, 611, 636, 639, 670
<223> n = A, T, C or G
<400> 218
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ttatgttctt ccancaaatc cttccagttt ttgtaatttt tttctatatc agaagcgcct 120
gancecaatg eccaattnat acaceggtet teteeggaae gettggtena aagggtntag 180
tenattnggc teetggaage atetnaaatg eteeaggtta eteecangne eetggannae 240
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taaaaattat ccaagetete tteecaetna gganttegga teteateage egggtaaagg 360
aaaactcctc angaagtttg ggcttcccct ccggtctacc ggctaatgtt aggaattact 420
tetggetete tteegataca teetetette aaagtnaaga aggttaaaag aatnttaaen 480
tctcccagtg gctaatggtc aaacaccatc ctcatnagtc agactggggt ttcgaaagga 540
ggatataacc tccttgcnag ttnnaattaa aagggattaa ccanatggac tanccctcnc 600
cccgggattt nctctctcac aggagaaggg gtctcnccnc ttggctcatc cgaagcatag 660
gcaaaccccn gggaattttc agaaacc
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<210> 219
<211> 247
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 10, \overline{1}6, 54, 74, 89, 91, 118, 122, 130, 131, 138, 147, 154,
156, 163, 184, 185, 215, 233, 241
<223> n = A, T, C or G
<400> 219
gggcccttcn cctttnaatc gagagatcca aggttcaagg catgaaatac cagnctataa 60
```

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aatgtctcaa gacntaaata atacggatng ngatagagag gttgaataat aaatgaanaa 120
anatgaaagn nattatgngg gaatacnaaa aaancngact aanggcggca ctgctgggca 180
tggnnaaatc ggattaattc ctcataggac agccnaaccc cttaaaatct cantttccqt 240
nacccga
                                                                 247
<210> 220
<211> 937
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 73, 867
<223> n = A, T, C or G
<400> 220
cgggctcgag tgcggccgca agctttttt actatagacc aatattaaag tcagttaagt 60
tccaaataca ganttggaaa actaaagtaa aatatttaat gggagaatat ctgcatctga 120
atatgtcaac tgtttgctat ttttcagcta tttaatcctt ctacctgtat ctcagaaaca 180
aatttaaaaa ttaatagatt tgacagcaaa atcattcagc actttactta ctccatcagc 240
aaggtattta tgtagtcatt tccatccatg tggccaaact gaaaatccct aaccaccacc 300
taaatagtaa aaaagtaaat aaaacaatga agttaaattc aggcctcagt aggcccagaa 420
actgtaaaca tttcacatgt aaatcatata caataaacac tgctaaaagt gtaaattcta 480
ctggcttctg agatacaaat acacgagtag aggaaattct aagacatttc tacttggttt 540
atgcatattt aaaattcagg gaaatatcag ctattctacc tgaaatatgt ttaagaaaaa 600
ttcctatttt ctctaaaaaa aggaataatc agaagacgct acatactatg taagaaaact 660
atacaatgac ccatcattag aagattcaga ataggaaaga aataataatt cactaataaa 720
atatatttat attgactgtc tttttttatg atagcaacaa tgattcagca taaagtaaaa 780
atatatgtat ttccgatgcc atttttatt cagttattct tttgagtttc tgttagaata 840
attatctgcc tatctctgac ttctgancag tcatttatgt ccaattataa qtacatqtqc 900
atattttatt accttaaacg cctctcaaat cctttca
                                                                 937
<210> 221
<211> 353
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 7, 8, 9, 12, 13, 16, 20, 24, 27, 29, 30, 45, 50, 88, 126,
269, 287, 293, 309, 310, 311, 312, 320, 328, 329, 335
<223> n = A, T, C or G
<400> 221
ggctatnnna tnnttntaan atcntgncnn ccttgacgct gttantaaan aaaaacaaac 60
gaatatcctt tttttgctcc cccctgtnca gatactaatc tcacactaat acttacagta 120
taactnttcc tttcaactac caatattaag ttccaagcca cctgggctta agtatcccaa 180
caacttaggt aatttgttgc taaccaccat actatatgct aattataaca ctctaagccc 240
caaggaattt ttgttcagat ttcttatant ttccacttat aaatatnatt ccncctctat 300
gggtatatnn nncctctagn cccatatnnc ccacngggat ttgttgaggg ggc
<210> 222
<211> 813
```

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<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 638, 661, 664, 694, 709, 717, 722, 726, 743, 750, 752, 759,
760, 766, 784, 790, 799, 800
<223> n = A, T, C or G
<400> 222
tcactcctca gtccatccta acctgacttc ctggccactg cagctcttcc gataagggtc 120
agcagtggct tagttattgc taaataataa gcgcacatgc actccctctt tcctgaaaca 180
ttgtccctcc ttggtttctg ttccttccta ggtctcctat cactcctcct tagtcttctg 240
tgcggacttc tgttccttct gccctttaaa agttggtatt ttccaggatt ctgtcctagg 300
cccacttact teteattetg caegttettg ttggatgatt etateaeate ectaaettet 360
gctgcccagt atgcacttaa aattcccaaa tctgtatatc tggatctggc ctgtgtctct 420
agcctagaag tgtgctttat cccagaagca cctcaaacac tgcactttgg aaattaagct 480
tactgagtct cgagtctcaa gtcccaaact gacttctttt tctctatttt ggttagtgac 540
aacactattt attcagtcat gcaaaccaga gccctgagaa ccatcttaca ttctctttct 600
ccctttactc agttcttgct tctgttcttt ctcctccncc tctcctgcct gtgggcctag 660
nggncattaa ctggttggca ctgctttact ttcnattttt ttggctganc taacccnaag 720
ancetnttgt aggggeettt etnteaggen tnacttetnn caaganeece egaaaceaga 780
tccnggggan tgctatggnn tggaaatatt ttg
                                                                 813
<210> 223
<211> 882
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 753, 781, 810, 829, 835, 861, 863, 871, 875, 880, 882
<223> n = A, T, C or G
<400> 223
tcacactact gagaagcagg gaaacccact gaaagggcac gtttcttaac ctcagaatgg 60
ggctactagc ctctaaagca ggaattgcgt tttgtttagt atttccatgg tctgctgcaa 120
ggcgtggcct ttacccaatg gataaatgcg tacaaggctc ttgtgagcag tcaagtttct 180
cgaggtttac agttgaaggg aagtgggatt gttttcctgc gcatttaaat gaaggtaggt 240
gggtgatcac ctttccttaa atgtgtgaag ggatgagata aagagatagg catcttaatt 300
gccactgatg gccttcaggt gaggacaggc atgagccaac tgaagctttg acaattgtgc 360
tgaacccaaa acttcaaaaa caagaaaaaa catagactgg ctgaaatgat ctaagtcaac 420
agagcatggc cagcgcttca tacaaggcag gaccacaggg gaacactgac agcccaggag 480
gcactgagac agaggcagtg ggaagaagtg acagacccca gggactcccc accaacagca 540
gctgctgttg attaggaacc cccagtagac tgtcaggcac ctggtagtgg agaggctacc 600
aaggcccgga ctggagagga gccaaaggaa gaaacagtgc agtgcttaga cccctctggg 660
tctgcccgtg tccatacccc tagggagatt ccattccaga agtggacata ttcccacaga 720
gtgcctgggg ctcactcatc acagctgccc ctncatgaag gcattctcac tgcagcctta 780
ncagggaaca gggtcatttg cattaggcan cttgctgtcc tagaaggcnt cgggngtccc 840
tacactgccc atgttcccaa ngnggttcaa nctcnaaaan tn
                                                                 882
<210> 224
<211> 660
```

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<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 77, 104, 116, 157, 169, 198, 253, 273, 325, 327, 330, 336,
350, 357, 361, 400, 434, 443, 478, 511, 555, 582, 596, 613,
622, 641, 651, 660
<223> n = A, T, C or G
<400> 224
gattaaactc aatcattcac cogggctcga gtgcggccgc aagctttttt ttttttttt 60
ttttttttt ttttggncct ctgggcttgt gcccggaagg ggantgctgg gccacntggg 120
tgtccgtgtt tgattttctg ggacctgccc ccccgtntcc cgccccggnt gccgcgtctc 180
acteccegee geggtgenag gggeeeegtg tgeegegeae cettecaeee gtgttttget 240
gtttttttga ctntgggcgt cccaggggtg cancggccgt ggggccctgg tttgctttca 300
cctcttcatc tgctcactgg ccgcnantgn gtcttnttca aacaaacgtn tgaaggncaa 360
necetggget cetgtgaace eggeegtett tgeggeaaan tetgaggete ettegttatt 420
ctggatccgg cetntggtcg gangegtget etgcaggeae tgeteceatt getggeanee 480
ttttctcccc gtggccgccc ggccgcccat naaaggcgtt gcaaacgccc gccctcgcca 540
gcgcaaagtc aaacnccggt ggcccgcgga ccccccggcg gncgggaaca ccccancaqg 600
cgggcaccac aanaagcgcg gncctccggc gtctaaaact nccatgtggc nccccccgn 660
<210> 225
<211> 438
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 62, \overline{171}, 179, 192, 209, 278, 287, 292, 362
<223> n = A, T, C or G
<400> 225
aaaaaaaaag gaaaagtacc cagtgetete agettetgag ceteetetac agecetgttg 60
gnttttaaac ctgtgccctg tgtctgtgtc cccacttaat atatatagta cacagctgga 120
gagatggetc agccaggaga gggacccata ggtctgtgaa ttccagagga naggcaggna 180
tttataggtg gntctgtcag gtgaaatcng aggagccaaa gctattgtat gtgcatatgt 240
cagccgggct ctgtgggagg tggtgtaaga cctatggnat gggacangtg tncacgctgg 300
gatctctggc cggttccgaa aagtgaggat caggtagtgg gtggctgatt gcacaagttt 360
anaacccagg attagggaca cacaggtcag cacctgcttc tcagcatcct gactgggtgt 420
gatgggcata ctcaaggc
                                                                    438
<210> 226
<211> 480
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 416, 422, 451, 466, 470, 479
<223> n = A, T, C or G
```

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<400> 226
aaaattaaaa ccaaaaggat cttagaggtc ctttacttca gtggttctca atgtcagagg 60
atgttatgat acctaatcaa aatctccagg ggaactgttt tgaactcaac agactctctc 120
ctgttctgag agactctggc aaagttggga gagctgccag gtactgtcca catgaccctg 180
actgcccatg attcaattac cttgaatggc ttatccagtc caataccttc atttcttaca 240
tgaggaaact gaagcacgta tcacatagtg atacaatgaa aacttggcct taatcgattt 300
tcagtgctgc cagtacaatg tcttgagcat atcaatttct tccaaccctt gacaacataa 360
ggtacgacca tcaaattttt tatttctgct aatttattag accaaaaaaa aagggnatct 420
cncccattgt tttacaggga tgattttatt ncagaggatt tcatcntggn gctgattcnt 480
<210> 227
<211> 423
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 312, 395
<223> n = A, T, C or G
<400> 227
cattgtgttg ggctctgctt agcacatcac atcggagcac agaggtgacc tgttctgcca 60
cagggatgtt caccttagtc acctgattga ttcctcttca ctttggtcac gtgattcctc 120
caggaggatg ttcaccttgg tcgcctgatt cctccaggag gatgttcacc ttggtcgcct 180
gaccacacag gcatctatca ggctttctca ctgcagccac tatgtcccca taatggatga 240
gtgtcttgtg gagagatagt ccaaatgaca ctgatacctt ttgcctcata cggcctcacc 300
ccccaacaat cnaccactaa tgactgcctc atagcagttt ttccatttcc acagttcctt 360
ctatatgtat taattgtcat tctactataa agaanacttt ttcttttaaa aaaaaaaaa 420
aag
                                                                   423
<210> 228
<211> 249
<212> DNA
<213> Homo sapiens
<400> 228
cattgtgttg ggctgtagta aaatatgtgt ctggtaagat atgtgaagaa ataaaataag 60
atcaattaaa totggcccat tgaatgacac attaattgta tattaatatg taatgttaaa 120
gatattagga gatggtggga cattatggca aactaaattt gggaggaggt tgaattgtat 180
aatttatgaa atcctaaagt ctagtacatt aacactctct actgtcaact tttcaaagca 240
gtgagaaac
                                                                   249
<210> 229
<211> 436
<212> DNA
<213> Homo sapiens
<400> 229
cattgtgttg ggatgttatc tgaccatcac aatatgattt ataatatgga ggcatgaagt 60
catttctcat tggggcagga gtgtggcaag ggggaagaag agctttacca attaactcaa 120
gattatttgg tgacatttct cttacctttt aggtgaggag aaagagacag aggatggaga 180
attggtgctt ttagtatgct gatacattaa gctgcctgga agcagatgct aaatcctatt 240
gaaaataatt ttatttgcgt tttgcttagg gcattgttta gcaaaatact acacaaaaag 300
```

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tettgacetg tgtgtttgaa atggeagatg tteacagtga ggaetgagee ttggggeaac 360
atcaatcttc acaattctgc acctatttgc tcaataactg gcttggttgg aaaaaaaggg 420
aaaaaaaaa aaaaag
<210> 230
<211> 760
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 13, 14, 27, 66, 105, 194, 227, 239, 520, 537, 563, 597, 604,
646, 675, 686, 704, 716, 751
<223> n = A, T, C \text{ or } G
<400> 230
cattgtgttg ggnngtggaa ggaaaanttt gaggcaatga agctaaacat aaaagaggaa 60
aagcanatgt tacctcaatg accacaatct acaaagtcca aatanaaaac ctgggagtat 120
gataggatga aactataacc tccagcaaag agcttaacag caattaaaat aaagacaaat 180
ttctgggatg gatnagacaa agtagcatat attacaaagg aaaatanact agtatcatnt 240
acgtttgatt aagtaactgc tttcaaataa ttgaatcata aacaatgatt tctgcggttt 300
taagctcatt attttggttc cctggtttct cctaggatgc agtatagaat ctccatgcct 360
gatgtttatg taccaacaga agctgctgct tctttctttc attatttcct ttttaagtga 420
aagttaatac cttttatatg ttacagagaa gaggcagaaa aagccacact cccactatgc 480
tattaaatgc cctgaggatc aactgaggga tgattatacn catggctgaa tacagtntat 540
tcatttqttt ctttqqattq tanataacaa aaggtggtat tctgtaacat cttgtgncaa 600
ttanccaaat gttaaggcga aaatggaatc tttcaaacaa gtgttntaaa caggttttga 660
ttttccaaaa tttantatta gaaccntttc aattctggaa gttncccaat ttccangttg 720
                                                                   760
tgttttctct tccaattctt ctttcctttg naaattcccc
<210> 231
<211> 692
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 20, 44, 47, 76, 92, 94, 105, 121, 123, 131, 146, 168, 208,
213, 218, 267, 269, 312, 331, 333, 341, 357, 374, 403, 437,
450, 451, 465, 492, 493, 501, 508, 531, 542, 560, 570, 588,
593, 600, 617, 619, 643, 651, 652, 653, 672, 692
<223> n = A, T, C or G
<400> 231
cattgtgttg gggggtgctn tggggagaac acgcttatgt tganatnggg ctccccgaga 60
aagecteatt gacaentteg aataaggace entngggaaa tteangtgag ttgtggaeat 120
ncntagataa natcaaaggc cttgangaag tccgcctggc accttccngt ctgcgaggag 180
gttgatacca aatgctaagg ggtccagntg cantgtanta tcgtgagatc agagtgatgg 240
gcaggtgtgg gcatgcgggc cctcaanang aagtgcccag gatgactcag acttatgcct 300
atatccattc antectgttc attattttta nentteeete naaggaeeee caatttnaac 360
catttgttat tcanggctat acttataaaa gtcatttgtt ttnagtctgg gtgatattaa 420
aaccatttgg acgccangca tggtggctcn nggcctataa tcctntccac cttggggaag 480
ccqaaqctqq tnnaatccct naaggtcngg aatttgaaaa ccatcctggg ncaacattgg 540
 gngaaaccet gtetetaetn caaaaaacan aaaattttet ggggeetngg ttngcaggtn 600
```

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qcctgaaaat ttcccancnt tactccggga aggccgaatg ccntaaaaaa nnnaccttta 660
accccccga angggcggaa agtttccatt tn
<210> 232
<211> 518
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 10, 13, 35, 38, 60, 66, 71, 77, 90, 105, 117, 118, 151, 154,
157, 164, 177, 181, 193, 230, 235, 238, 243, 247, 250, 255,
267, 273, 277, 279, 284, 293, 309, 320, 322, 334, 357, 370,
372, 373, 380, 386, 388, 398, 402, 410, 446, 467
<223> n = A, T, C or G
<221> misc feature
<222> 476, 477, 479, 504, 510
<223> n = A, T, C or G
<400> 232
actcaaatgn ccncttgaag gtcacccaga ctcanaangt gtcaagcttt gggtggggtn 60
gtaatnaata neteggnete etgattagtn eteetagete gatenetgge tgagatnngt 120
tegageacce tteetttgat eeegteaaac neenggnaaa agengeetge gtagteneet 180
nagocgaate tgntttcccg acacctccg ctcggtcggc tgccctggtn aagcngcntc 240
ctnaaanaan aaagngaagt ctccccngtc tcncccnant cctngggaaa acngcctgaa 300
ccaatatgnt cccccaaggn cnccccaggg cacntaaccc gttaggaggg ccccccnctg 360
gcgttttggn cnnaagcccn gccccngnaa taaccccnct anaaccacgn aaaaatgcaa 420
agtoccaaag ggtaaagaat ctcccnaccc ccggttccc tcgcaanett cccctnnqna 480
                                                                 518
cttgtgttcc gggaaaaccc ttancccgan cctttcca
<210> 233
<211> 698
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 509, 617, 618, 635, 641, 681, 688, 690
<223> n = A, T, C or G
<400> 233
cagttagaat ttggtctgtt tctttattca ataccccaat atatgttcat tagggttata 120
ctgtatacac tacacataac agttttgttt tttgttttgg atattatttg ataataagaa 180
ttttaccaca tcattaaaaa aagtttcccc aagctataat ttttgataat tgcactcttc 240
cactattcaa atgtttattt aactctttct ctcctggagt aggtttacat tccattttag 300
ctatgatact gctttaagag aaattgtttt aagataaatt tccatagaca ggtcaaagga 360
ggtgaatata tgtaagcttt tcgatgcctg ttactgaatc tcattctgga aaacataact 420
gtcaatgccc tctttttctc atggtaaaaa aatacataac aaaatttacc atcttaatcg 480
tttttaaatg ttacagtacg atagtgttna ctgtatgtac cttgtgcaac agattctctg 540
aaaacttttt catttttcaa aatgaaaact ctgtactcat tgaacaggca gcttcccaac 600
ttccccattc ctcccanncc ctacccctqg ttaanagtct nacaaaaccc gggaatttta 660
                                                                 698
tgaaatttga aacactttta naataccncn tattaggg
```

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<210> 234
<211> 773
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 289, 331, 367, 523, 545, 582, 594, 623, 652, 663, 675, 698,
709, 711, 722, 740, 749, 764
\langle 223 \rangle n = A, T, C or G
<400> 234
ttaqtctcat tqcattttaa agagtttcca agtgatcagt gatggttgtc tgttttttag 120
tattacggtc ttatgtaatg ttcgaaaact agtcagtttg gtgctgtcgt acggggcgga 180
aagatcaggc caggcaaagt actctggccg ccaaagtaaa tgcttaaggc cgccaacgga 240
ttatqtcctq qqqttcqatq aqqqccqtaa ttaqqttqaq ctqqtqtang ctaacctcgc 300
agccatgtcg gagagagatg agagacataa nattttaaag taggggcgta ttttacgaag 360
ttctgancca tttcctttgt tatcggtccc ggcaaaagca actgagataa atgtgttaaa 420
agactcgatg atttttcga cttcagcaac gtactcagcc ttgggttctc gtagttttc 480
aaaggcagct atttgctgag attcatgaaa agtttgactt ganctgcttg tcaatttctg 540
cageneggge tteaactgtt attgaatttg tttgattaag encaataegt tgenggteae 600
caaggttttc catgttttga ctncacctgg tcgaaccaat ttgaattatg tntttttgcc 660
tgncctgttc ccccnccttt aaatccatct cttttttnga aacctttgng nggttgaatt 720
engeegeeg gtteecaaen tttggttena eettggaaaa aaanatgggt agt
<210> 235
<211> 849
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 581, 612, 643, 647, 716, 717, 758, 775, 778, 786, 821, 825,
\langle 223 \rangle n = A, T, C or G
<400> 235
attgggtacg ggcccccctc gagcagcctc cactgcaatg ccgctgaatc aagagacttt 60
tcaatacgct ttatcagtga aaatgatgtg atctgaagag tcctatcttg agcactttgc 120
atgacatcca acgttaatgt ccacaacgtt cttagctgcc caaccccttt atcggcaagc 180
tccaaaggtg tgtgcaaacg ttctacggcg tcatgaaaaag ctgaaaaatg ctgtgtcaac 240
actgcaccgc tgcgcatctt caaaagcagc gcccttatag tctccgcatt cgaagacgat 300
aacccgcgta gaatagcctc ataatcactt ttgtagaaat caatcagagc tgtgctagga 360
acctttccat ccaaaacata cgactgtgcg accacgtctg caaaagcaga cgtcacatta 420
tgcatatgcc ctcttaccgt cagccgatca tcctcactca tagcgacgcg agaaagctct 480
tgttccaget cgtgcacggt atccaattca gtaatcctac gcaacgccgt ctgaatcgtg 540
ttcataagtt cagttttaaa geteaaaaet tegtetetta ntttaceece tgtgaettte 600
aaactgggcg antcttcacc attttattaa tcgtcttttt gangganggc ccagcgttag 660
atetgcateg ccageggaat egttactece teccatteet ceteegggta acgeanntag 720
tttctccgaa gccttaaaat tagccgggga aagggaantt atttgcccca acaanggnat 780
cgcggncctg gtggttaaaa ggaactgaaa taaaattaaa ncccncttgg gggaaangcc 840
                                                                  849
cgcatactg
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<210> 236
<211> 310
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 21, 90, 150, 194, 234, 261, 302
<223> n = A, T, C or G
<400> 236
ggggtgggtt gcttccgaaa nccggggccc ggccaacttg ttggcttggg aatattctgg 60
caagaaaatt tccagggcgg cgccaatttn atcaagcccg ggcggcctta aaccgaaaac 120
totggcaggg toaacccctt toatgggcgn ttgaaagctt gaagcgcccc aagttactcc 180
caaqcttqtt qcgnttgccg ttgggggcgg gggaaaagtt gaaaacacgg gcgntttgtt 240
qcccqccccq cqqqcqqttt nttacqccat cctqqqaaaa ctttcagqqt tqqctqctta 300
                                                                    310
cnaaaacqqq
<210> 237
<211> 315
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 21, 24, 38, 51, 85, 91, 107, 110, 116, 127, 140, 163,
164, 190, 205, 213, 222, 224, 231, 233, 241, 255, 257, 260,
269, 294, 295, 303, 306, 314
<223> n = A, T, C or G
<400> 237
gcacqagtnt ttgttattta natnttgctt tgtttaangg aagaacacaa naatgccctg 60
ctaaaqqqat tctqtttggt tgcangctgc nagcggggaa aaaatcnaan tgtatnttgc 120
acaacangat tttttagaan tcagaactat gacatgaagt canncagggc actctacgac 180
tgaatttgen gtgetgeett cacangetee ttnetegete tntnetggea nengtgaete 240
ntacacqtcc tqqanantan cctccctana aqqaacqact ccqacacccc cccnntaccc 300
                                                                    315
ctnaangttc atcng
<210> 238
<211> 510
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 1, 10, 92, 93, 138, 242, 258, 282, 309, 329, 356, 362, 373,
376, 382, 389, 391, 395, 407, 418, 420, 424, 433, 445, 449,
459, 461, 481, 484, 498, 508, 509
<223> n = A, T, C or G
<400> 238
ngcacqaqtn tttqttattt atatattqct ttqtttaaaq qaaqaacaca aaaatgccct 60
qctaaaqqqa ttctqtttqq ttqcaqqctq cnnqcqqqqa aaaaatcaaa gtqtattttg 120
```

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caqaaaatqa ttttttanaa gtcagaacta tgacatgaag tcaagcaggg cactctagga 180
ctgaatttgc tgtgctgcct tcatatgctc cttgctcgct cttttctggc agctgtgact 240
cncacaggtc atggaganta tcattcccta aaaggaacaa cnccgatatt catctttatc 300
cattaagtnc atctgtccca ttctatgtng tggatgctaa cttttgatca ttgatngtga 360
tnecatggae atntaneate anettreana nectnggate tittgaenagt ettattanin 420
agantecaae tantacgatg ceganttana aatgetggnt ntecaattee taeteaaata 480
ncenacatga acttecante ecettgenna
<210> 239
<211> 209
<212> DNA
<213> Homo sapiens
<400> 239
qqtqcttttc ccttctactc qtcttcctqc ctqqcaggag aagctcccqc tactggttgc 60
cettetacea etgtegacae caccaactge agtgagecag tgteegagge teeagecaga 120
aacaqqtaqc aqccatqccq qataccaaac gcccacactt aagagcctga aatgacctga 180
cqccacctcc gcatgcttta cctactgag
<210> 240
<211> 610
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,
563, 585, 593
<223> n = A, T, C or G
<400> 240
ggcacgaggt ttctggctgg agectcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccagt aacgggagct tctcctgcca ggcaggaaga cgagtagaag 120
qqaqcqqcat qctqqaqqct qqaqcctqaq cccctqqqqc tcqccttqct gtqtttqqtq 180
gtgacgtggg acactgcagc tcggccagag tggtaaaaaa tgtcctggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtacgctg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acagggagtg aggcttctca ntggcttgaa agctcagctg 420
actoccacga aatttgccgg aaactcaagg ctgtcagtga cnttcgtggc gccaagactt 480
aancangege gttgeatgea teeggeeagt gtetgtgeea egtgeeetga enceacettg 540
anataancac ccqqaacqcq cnncqcqcaq qccqcqcqca cacqnccqqq cancaacttg 600
                                                                   610
gctggcttcc
<210> 241
<211> 474
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 67, 114, 120, 124, 137, 144, 150, 209, 279, 285, 291, 324,
384, 400, 407, 417, 421, 428, 438, 453, 459
<223> n = A, T, C or G
```

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<400> 241
ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
qtqqtanqaq qqcaaccaat aacqqqaqct tctcctqcca qqcaqqaaqa cqantaqaan 120
ggancqqcat gctgqangct ggancctgan cccctggggc tcccttgctg tgtttggtgg 180
tgacgtggga cactgcagct cggccagant ggtaaaaatg tcctggtgta cgcttttctg 240
gctttgcccg tctatctgct ccaagccacg ctggaagang agganaagga ntcacctgtg 300
gtacgccgga gcctgcatgt gggngtgact ctgcaactcg cctcgtgtga ctgatggcac 360
ccacqqacac tgccactcta cagngaatga ggcttctccn tggactngaa agctcanctt 420
nactcccncc aagtttgncg gaactcaagg ctntcactna acttcgtggc gcca
<210> 242
<211> 415
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 8, 9, 34, 71, 141, 162, 195, 262, 309, 321, 364
<223> n = A, T, C or G
<400> 242
ngeggggnnt tecaceaget egtgtgeaca agtngegeea cacaaacatg egeaggeact 60
gcatgtcatc natgtgcttc gccgtggttc tggaacagcg agtagaagat ggcgttcggg 120
tcgcgaccaa attcgacgtc ntggatgctc ttgcgcaaga angtcacgta cgggatcggc 180
ccgatggatc cgctnaagcg ccgaaaggcc ctgacttgca aaccgcggct cacagaaccg 240
gcaccaccgg cgccctccgc cnacaaaagt cgagcggcct ccgacacaca ctccctcaca 300
tecceqtene quaetteqqe nqtttetage tecqueaegg ttgtcagegg cacegeggge 360
qccnaqctqc cqqcqqcatc cqttqcacac agcacacacg gatccgctct cqtqc
<210> 243
<211> 841
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 297, 511, 589, 629, 644, 650, 657, 676, 677, 688, 694, 696,
730, 738, 744, 749, 755, 827
<223> n = A, T, C or G
<400> 243
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggtgaactt 60
cgctcctaca gccgagccaa tgaagacgaa tggctgctgc cgaggatggg agtctcacta 120
gagcacgcgg cgctggacaa ctcatcgact tgtacgcttc cggtagctta gcccattcag 180
ctccactgac gacagagacg gagctggcca ctgccatctc gacgcagcgg gacaaggagc 240
agcttcgggc gccgtatgca tcactcgaag agaaccagga gcagccggaa gcaggangcg 300
ctgcacggta caggcacttt cggcgcttca gcggatccat cgggccgatc ccgtacgtca 360
ccttcttgcg caagaacatc caggacgtcg aattcggtcg cgaaccgaat gccatcttct 420
actcgctctt ccaggacccg gcgaagcaca ttgatgacat gcagtgcctt gcgcatgttt 480
qtqcqqcqct accttqqtqc acacgaacga nggcaaccaa cccgccccag gtgccgctct 540
atgcattcct gttctgttcc ggtgtgcatg gccggatgtg gaccgtganc ttggtgaatc 600
ggctggtgca tgaagactta ccgctctcnt caagggcgaa cgcncctcan ttcgganaag 660
gaacaaaacc ccccnnaag aacggcantt gcancntttt cccccgctgc cggctcttct 720
ccattcgggn attetetnte tecnaaaant eegenaaate ttettteggt tteteceetg 780
```

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tttttatttg cccttcccgc cacttgggtt gttttacatc ctacaancct tttttttctc 840
<210> 244
<211> 761
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 243, 506, 510, 514, 532, 586, 592, 671, 687, 693, 702, 711,
713, 732, 734, 752
<223> n = A, T, C or G
<400> 244
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggtgaactt 60
egeteetaca geegageeaa tgaagaegaa gtggetgetg eegaggatgg gagteteact 120
agagcacgeg gegetggaca acteategae ttgtacgett eeggtagett ageceattea 180
getecaetga egaeagagae ggagetggee aetgeeatet egaegeageg ggaeaaggag 240
canctteggg egeogtatge atcactegaa gagaaceagg ageageegga ageaggagge 300
gctgcacggt acaggcactt tcggcgcttc agcggatcca tcgggccgat cccgtacgtc 360
accttcttgc gcaagaaaca tccaggacgt cgaattcggt cgcgacccga atgccatctt 420
ctactcgctc ttccaggacc cggcgaagca catttgatga actgcagtgc ctgcgcatgt 480
ttgttgegge getacetggt tgeacnegan eganggeaac aaccegegee angttgeege 540
tetatgeatt ceetgtetgt eeggtgttge atggeeggat gtgganegtg anettgtgaa 600
teegetgggt geatgaagga ettacegete tegteaaggg egaaegegee ateaatteeg 660
gaaaaggaac naaaaccccc ccccaangac ggnaatttgc ancttttccc ncncctgccg 720
                                                                   761
gctcttctcc antncgggct tctctttctc anaaaattcc c
<210> 245
<211> 710
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 498, 505, 532, 565, 566, 580, 581, 592, 594, 601, 602, 654,
669, 676, 690, 691, 703, 708, 709
<223> n = A, T, C or G
<400> 245
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggtgaactt 60
cgctcctaca gccgagccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctcact 120
agagcacgeg gegetggaca acteategae ttgtacgett eeggtagett ageceattea 180
getecaetga egaeagagae ggagetggee aetgeeatet egaegeageg ggaeaaggag 240
cagetteggg egeegtatge ateaetegaa gagaaceagg ageageegga ageaggagge 300
gctgcacggt acaggcactt tcggcgcttc agcggatcca tcgggccgat cccgtacgtc 360
acettettge geaagaacat eeaggaegte aaatteggte gegaeegaat geeatettet 420
actogetett ccaggaaccg gegaageaca ttgataacat catgeetgee catgtttgtt 480
geggeeetee tggttgenea egaanegaag ggeaacaaae eegegeeagg tngeegetet 540
tatgcattcc ttgtctgttc cggtnntgca tggcccggan nttggaaccg tnancttggt 600
nnaategget ggtgeattga aggaaettae egetetegte aagggeegaa egeneeette 660
agtteggana aagganegaa aaccccccn naaggaaegg centtgenng
                                                                   710
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<210> 246
<211> 704
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 85, 91, 198, 332, 375, 458, 507, 516, 538, 553, 570, 593,
607, 624, 634, 646, 647, 653, 659, 674, 684, 693, 704
<223> n = A, T, C or G
<400> 246
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggtgaactt 60
cgctcctaca gccgagccaa tgaanacgaa ntggctgctg ccgaggatgg gagtctcact 120
aaagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agcccattca 180
getecactga egacaganae ggagetggee aetgecatet egacgeageg ggacaaggga 240
gcagettegg gegeegtatg cateactega agagaacagg ageageegga ageaggagge 300
gctgcccggt acaggcactt tcggcgcttc ancggatcca tcgggccgat cccqtacgtc 360
accttcttgc gcaanaacat ccaggacgtc gaattcggtc gcgacccgaa ttgccatctt 420
ctactcgctc ttccagggac cggcgaagca cattgatnaa attgcattgc ctgcgcatgt 480
ttgtgcgggg cttcctggtg ccccgancga agggcnacaa ccccgcgcca gggtgccnct 540
ctatgcattc ctntctgttc cggtgttgcn tgggcgggat ttgaaccgtg aancttggtg 600
aatcognttg gtgcattaag aacntaaccg ttcntcgtca ggggcnnacc ggncccttnc 660
aatttcggaa aaangaacca aaancccccc ccnccaagga aacn
                                                                   704
<210> 247
<211> 618
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 513, 541
<223> n = A, T, C or G
<400> 247
ggccgccagt gtgatggata tcgaattcaa cgaggtgtcg atgagcgcga acaatcgccc 60
teetteatet etaeetgatg gtgaaetteg eteetaeage egageeaatg aagaegaagt 120
ggctgctgcc gaggatggga gtctcactag agcacgcggc gctggacaac tcatcgactt 180
gtacgettee ggtagettag eccatteage tecaetgaeg acagagaegg agetggeeae 240
tgccatctcg acgcagcggg acaaggagca gcttcgggcg ccgtatgcat cactcgaaga 300
gaaccaggaa gcagccggaa gcaggaggcg ctgcacggta caggcacttt cggcgcttca 360
geggatecat egggeegate eegtacgtea cettettgeg caagaacate eaggaegteg 420
aattoggtog ogacoogaat gocatottot actogotott coaggacoog gogaaagcac 480
attgatgaca tgcagtgcct gcgcatgttt gtngcggcgc tacctggtgc acacgagcga 540
nggcaacaaa cccgcgccca ggtgccgctc tatgcattcc tgttctgtcc gggtgtgcat 600
ggcccggatg tggaaccc
                                                                   618
<210> 248
<211> 622
<212> DNA
<213> Homo sapiens
<220>
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<221> misc feature
<222> 276, 355, 356, 382, 387, 421, 426, 462, 474, 480, 483, 486,
498, 506, 527, 535, 553, 559, 579, 590, 616
<223> n = A, T, C or G
<400> 248
gcacgagagc ggatccgtgt gtgctgtgtg caacggatgc cgccggcagc ttggcgcccg 60
eggtgeeget gacaacegtg geggagetag aaactgeega agtgegegae ggggatgtga 120
gggagtgtgt gtcggaggcc gctcgacttt tgttggegga gggcgccggt ggtgccggtt 180
ctgtgagccg cggtttgcaa gtcagggcct ttcggcgctt cagcggatcc atcgggccga 240
tcccgtacgt gaccttcttg cgcaagagca tccacnacgt cgaatttggt cgcgaaccga 300
acgccatctt ctactcgctc ttccagaacc cggcgaagca cattgacaac atgcnntgcc 360
tgcgcatgtt tgtgcggcgc tncctgntgc acacgaccga gggtaccaac ccgcgccagg 420
ntgccnctct acgcattcct gtctgcccgg tgtgcgtggc cnggatgtgg accntgagcn 480
ggnganteeg etggtgentg aagaenttge egetetegte aaggeenace gecentegeg 540
gcggaaaaag gancaaaanc ccccgccaa gaaccggcnc tgcaccgttn tcgcgcccct 600
gctgggctct tctccnttac gg
                                                                   622
<210> 249
<211> 517
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 447
<223> n = A, T, C or G
<400> 249
cattcgagct cggtaccggg gatccgattg gtaaagggga tgcggaacag ccagctggtg 60
ttttcggtgc ggccggggca gcccacatcg ctgtggtcgt tggcgtactg gatgcgatgt 120
qccqqqacaa acqcqttttc caccacqatq tcatqactqc ctqtqccqcq caqqccaqc 180
acatcccagt tgtcctcaat gcggtagtcc gccttgggca ccagaaaagt cacatgctcc 240
aggecaggeg tgecateaeg ettgggeage agacegeeta gaaacageea gtegeaatge 300
ttggagccgg tggaaaagct ccagcgaccg ttgaacctga atccgccttc cacgggctcg 360
gccttgccag taggcatata ggtcgaggcg atgcgcacgc cgttatcctt gccccacaca 420
tectgetggg cetggteggg gaaaaanege cagetgeeaa ggggtgaaeg cegaceaece 480
cgtaaatcca ggccgtggac atgcagccct ttaccaa
                                                                   517
<210> 250
<211> 215
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 2, 4, 190, 193
<223> n = A, T, C or G
<400> 250
nntncattgg gccgacgtcg catgctcccg gccgccatgg ccgcgggatt accgcttgtg 60
accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 120
accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 180
accgcttgtn acngggggtg tctgggggac tatga
                                                                   215
```

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<210> 251
<211> 231
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 12, 66, 111, 121, 127, 146, 153, 157, 169, 178, 180, 197,
206, 221, 222
<223> n = A, T, C \text{ or } G
<400> 251
ngegeceace tngtgattga tggtegttta etateaagta tgtacatett getetagaea 60
actccnattc agtggaagaa attgggaaag tatcccggat aagtaatagg nattaggtct 120
nccttantgc ttggtgggat attccncaac tgntccngat cggatcagnc tcgtgtcngn 180
gaatgtgctc gatcgtnatt ctactnctga gcttctatcc nnacgtggcc t
<210> 252
<211> 389
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 1\overline{1}, 23, 38, 50, 56, 77, 91, 143, 190, 197, 210, 211, 222,
233, 237, 246, 250, 265, 271, 284, 291, 293, 299, 307, 316,
320, 348, 355, 362, 368, 373, 378, 388
<223> n = A, T, C or G
<400> 252
atgtatcanc netgttggtg ttncatettt tgcagtengt tetaagggen gataantate 60
aqaqatqcta atqcatnttc tqccaqqcca ncattggtgg cctatgcgta ctcttcttat 120
cttcctgaag agtcatctct ggnggatgtg ttcccccctc tccacagtgt ttgcaagcgt 180
tacccacgen tgtcggngcc gggaaggten neacatecgg gnagaettee cenegtntga 240
atcqtntctn gaatctccgg cgtcntccct naacctcttg actnggacaa ngncccgtnt 300
teceetntgt gaactngtan eegeceeet tteeeceete ageetaaneg ggaangaaga 360
engggtenat etngggenee acaagaant
<210> 253
<211> 289
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 8, 9, 27, 36, 63, 78, 81, 89, 92, 99, 114, 117, 126, 131,
147, 159, 161, 163, 184, 194, 200, 203, 208, 210, 224, 232,
237, 250, 251, 260, 269
<223> n = A, T, C or G
<400> 253
nggggccnna tgagcgcgcg taatacnatc actatngggc gaattgggta cgggccccc 60
tenageggee geettttntt nttttttnt tnttttttnt caaaacacce teeneentgg 120
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atgganacgt nacctttctc taaccanate tteacaatne nanteteagg cageegeete 180
aaanccgatg tcangttggn atntcaantn caatcttatt ttgngaatta anctganatt 240
gtggatggtn naccaatcan atacttggna tccgttgaac ccctgtgga
<210> 254
<211> 410
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 68, 280, 283, 284, 299, 300, 304, 342, 354, 368
<223> n = A, T, C or G
<400> 254
attgtgttgg gaacttgtag acagctatat caattgcagt gctatttctc tgaggtattg 60
aatctcantt attataattt tgaaatccaa ttggcttgga cttcattatt ttccaactaa 120
aaagatgatt gaaggattta titgaaatgt gtaaagagta atatagattt tatgcttatg 180
tttccttgaa aaaagtaggt aaaattcttc tggaagtgtt actcctaaaa tacaaatgaa 240
catgicaaga attacataaa tictitaaac tatccttaan aannaatggc tctatgiann 300
gagngaccct tacagactat taagaattaa cttgcatggc anagactcat ttanattcat 360
gaaatggntc tcactttctt ggtaagatct ggcttggacg tttttggtaa
<210> 255
<211> 668
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 90, 217, 220, 258, 476, 479, 538, 547, 554, 566, 579, 621,
623, 635, 650, 666
<223> n = A, T, C or G
<400> 255
tttttttttt ttttcctqtq ccaqqcacta taccactqtq ctaqqtqcct tctttqcatt 60
acttcatttc ctcataagct ttctgaggan acagaaagct tgaggttcac gtagctagca 120
tctacataaa ttagttgcta aaaacataca atacgtcttc cggcaggctg tcattagtaa 180
ctgatactac tagttgataa tctcataaac ctagcanaan ctaccattta agctgaaaca 240
actgtcaata tcactaanta aaacttaaat ccataaatca actatattct aaaatctgac 300
ttcagttcaa ttaaaaaatc actagttgtt acctacctcc ttctgaaagc cagtacaagt 360
taaatgaaca actcccgagt ttaacaaaca agtggcatct aaaaaaaaga tttaaaaaaat 420
aatccactta catatattta aaatggcatt aataaaacaa aatttatcca ataacnaant 480
ggcaaaggaa ggtgtccaat tattacatgt tataaatctt taaattaaac ttttcttngg 540
tttttcntcc ctanaataaa tacaancctt tccccgccna accagaaaaa agcaaaaaac 600
aaaacccaaa aactcccagc ncngcttaaa aaacncaaaa aaaataaaan ctctattaaa 660
                                                                   668
tgcccnaa
<210> 256
<211> 487
<212> DNA
<213> Homo sapiens
<220>
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<221> misc feature
<222> 3, 10, 12, 18, 32, 36, 42, 78, 81, 148, 174, 177, 204, 287,
299, 314, 341, 358, 365, 413, 436, 444, 468, 469, 475, 482,
<223> n = A, T, C or G
<400> 256
cgnaaccgtn cntttttnat gtgcgcccgc cncagnacca gngccgctac aggcgaaggc 60
cggaagcacg ggagaggntt nggaaaaaaa agagtgctta caaagagcat attcgcagag 120
ttgggatgag tgaaggggac cagaaggngc agcggtaggg acgcgtgaaa ggangcngcg 180
gagaaatgac agcaagaagg gganaagcac acgaaaaggc agtatcctcc tcccccttt 240
tegaggactg eegeatettt gttttetgee catteeagte acegaanaag ateceaaana 300
aagaagaaaa gaancagagg tgcacttcgc ttcatatttc nctcgctttc ttttctgnct 360
tcacnagttc tgcaggattg cccttgtcct cttccgagca catctacgca cgnatgaggc 420
teggeaggte aageenacaa aacnetegea eteetettt tetttgenng tetgngtggt 480
anggngg
<210> 257
<211> 502
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 11, \overline{14}, 18, 24, 26, 29, 35, 59, 81, 111, 118, 121, 430, 498
<223> n = A, T, C or G
<400> 257
cctttgaaag nccngctnaa ttcngnganc ccccngatca gcaccaggga gctacaacna 60
aggccggaag caggggattt ngccggaaaa aaaagagtgc ttacaaagag nttatccnca 120
nagatgggat gagtgaaggg gacgagaagg tgcagcggta gggacgcgtg aaaggaggca 180
geggagaaat gacagcaaga aggggagaag cacacgaaaa ggcagtatee teeteecee 240
ttttcgagga ctgccgcatc tttgttttct gcccattcca gtcaccgaaa aagatcccaa 300
agaaagaaga aaagaaacag aggtgcactt cgcttcatat ttcgctcgct ttcttttctg 360
tetteacaag tetgeaggat tgeeettgte etetteegag eacatetaeg eacgtatgag 420
gctcggaggn caagccaaaa aaacgcttgc actcctcttt ttctttgcgt gtctgtgtgt 480
atgtggaatt ccgcggcncc gc
                                                                    502
<210> 258
<211> 510
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 6, 15, 18, 27, 28, 33, 41, 324, 446, 447, 449, 483, 498,
506, 509
<223> n = A, T, C or G
<400> 258
actognoact cgatnoanta caagagnnta tgnattogaa ngtgcccccg catcagcacc 60
agggagetae aacgaaggee ggaagcaggg gagagggeeg gaaaaaaaaa agtgettaca 120
aaqaqcatat ccqcaqaqtt qqqatqaqtq aaqqqqacqa qaaqqtqcaq cqqtaqqqac 180
gcgtgaaagg aggcagcgga gaaatgacag caagaagggg agaagcacac gaaaaggcag 240
```

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tatectecte ecceettite gaggactgee geatettigt titletgeeca ticeagteae 300
cgaaaaagat cccaaagaaa gaanaaaaga aacagaggtg cacttcgctt catatttcgc 360
tegetttett ttetgtette caagtetgea ggattgeeet tgteetette egageaeate 420
tacgcacgta tgaagctcgg aggtcnngnc aaaaaaacgc ttgcactcct ctttttcttt 480
                                                                   510
gcnagtctgt gtgcatgngg gaaatnctna
<210> 259
<211> 292
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 3, 4, 5
<223> n = A, T, C \text{ or } G
<400> 259
gannnqaqtc acgaaaaggc agtatcctcc tccccccttt tcgaggactg ccgcatcttt 60
qttttctqcc cattccaqtc accgaaaaag atcccaaaga aagaagaaaa gaaacagagg 120
tgcacttcgc ttcatatttc gctcgctttc ttttctgtct tcacaagtct gcaggattgc 180
cettqteete tteeqaqeae atetaeqeae qtatqaqqet eggaggteaa gecaaaaaaa 240
cgcttgcact cctcttttc tttgcgtgtc tgtgtgtatg tggaattcct tg
<210> 260
<211> 582
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 307, 313, 315, 321, 409, 420, 449, 452, 487, 492, 505, 536,
546, 547, 561, 564, 572
<223> n = A, T, C or G
<400> 260
qcacqaqqtt qqqtqqtact qtqtataata actccaqatc cttqaccaag tttqqaqaqt 60
cacttatggc catttgaaac caaatgaagg atcaaaggac taattatttt gaatacctct 120
gagtgttttc cccaagcttg agaagagttt cattcagcta taaaatgctc attgtgcaaa 180
tgagtggttt ccatgctgta taattaaagc attgccttta ataatatttt attaccttta 240
gcttgtcttt ttaatttgag gaaaatccaa acaatttaaa gtaaaacgtg ataaagacag 300
tttttcngga gananaaggg nagatcgcta tgtttattcc acttaatatc tatatcaaat 360
atttgtatca aaagcagact ctcactttaa aaatattctt ctaatggcna gaatcttttn 420
cctagattga gagtcagagc tcacatagna tnactgctgg taaatagaca cttagactat 480
agagetnage tnaagtteea actaneeaac tgeatttetg aatatgettt ttattnaaag 540
                                                                    582
gccagnnett ttgccttttt nccnccctaa tnccttctat tg
<210> 261
<211> 783
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 137, 425, 445, 489, 500, 552, 554, 559, 570, 584, 587, 599,
```

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615, 618, 626, 633, 645, 648, 649, 658, 669, 679, 684, 691,
698, 705, 718, 726, 727, 741, 753, 756, 765, 767, 770
<223> n = A, T, C or G
<400> 261
gcacgaggca aaatacagag ggtattttac catggacagg caacccattt ttccaggaca 60
actetttgea geagagaget attetettte ttttgeetta caeteteaac eteactette 120
gagtgtctgc atcctanttt tccatggcca taagataagg aaccatgagt gttactctag 180
atgaggetgt tteattgtgg gageteatee aggateeaag gtagatteat eagaagggta 240
agtataggag tgggaaccca aatctctact tttattttga ggccttctct cctcaatttt 300
aaattqtaaa atcaaactta aaactqqqta tctqatqqcc aqttaaaaqa ctqqqtatct 360
gattgccagt taagagatgg tcatttatgc tcaccaccat tctcaagacg caggtgaggt 420
gacangettg etggggaatg etganegaat ecceeaatge etteaggatt etgggaatgg 480
tggctctgnt ttaaactggn tgacttttac aaagagccta cccgtcatgg ggggactggg 540
aagaaaaccc anangcagnt tctggcccan ggttacaccc ccanggntac cttgaaggnt 600
ttttggacat acctnttncc cccctnttac tgnttcatta gggcntcnnc aacccaantt 660
tecaagttnt ggeeettena aaantttttt ntttteentt tecanggace eeeetggntt 720
cctqqnnccc cctttttata nccaaccttg ccnqqnattt tttcncnttn aaagggaaat 780
aat
                                                                   783
<210> 262
<211> 741
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 10, 98, 429, 441, 553, 567, 576, 599, 601, 615, 621, 635,
646, 649, 655, 659, 667, 674, 688, 708, 725, 731, 733
<223> n = A, T, C or G
<400> 262
tgaaccctan tgggcccggc cccctcgagt cgacggtatc gataagcttg atatcgaatt 60
eggeaegagt gtatattetg ttattatace ceagattnaa gtgtatatte ttaggeagta 120
gttctggtta acatccttac tacataaaat ccacttacta tttaagtatt attctaacag 180
gaggtagaat agctgcctta aaaaatgtag tgatcgaatg gcagtttttc tgctgaatgg 240
aaattactga cacaaaattt ggttttggga gacattttcc tccttgttgt tgagttttcc 300
cattcacgga tagggcataa agcttggttt atagttgagg ggtgcaaaag gggaatagga 360
ttgggaaaat acagtgttcc agcaaaggtc tgacaaggta catcttggag aggattccta 420
ttctgctang tggcactgta ngtcttgaaa tactgtgtac tttccagaca aaggatagag 480
aaaaagacct tcactgggtg ggggagaaga aaacccttgt tcctagaaaa atcacaaaaa 540
aggcatectt tancetatat teccagnttt aetggngeat ttgettgatg tgaetgaene 600
ngattatttc ctttnactgg naaaaattcc tgccnctttg gatatnaang ggggnaccng 660
gaaaatnggg ggcnttgggg aaggaaanaa aaaaaattgg agggaccnaa ctttggaaaa 720
tgggntgctt nangccttaa g
                                                                   741
<210> 263
<211> 437
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 37, 38, 316, 318, 335, 385, 414, 420, 436, 437
```

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<223> n = A, T, C or G
<400> 263
qqcacqaqaq aatqtqttca caqacactat tttatannta tctgatgtgt actgtgtctg 60
gtggatgtga aagccatact tettaaatet gatttgaaaa gcaaatetga ttateacage 120
tgcctgaggt ttccaggcat tcttagctct atttacttac ttcccacctc aaatggcctt 300
agaattcaaa ttctgnanaa aatggattgc catanataat ccaatgaaaa tgggtcatat 360
tttgccatta atagaatcac agtcnacaag ggactaatag aattagtcac ttangtatcn 420
ttagatttgg gagacnn
<210> 264
<211> 706
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 674, 689, 698
<223> n = A, T, C or G
<400> 264
gcacgagcac cccaaggttt taggacaaaa tgggatgagt gaattcatgg cttgacagac 60
tgaacagaaa aatgaggete egtgeteeat atteatgtge atetgeeeet catggtgaea 120
tgctaattgg ttggccggtg cacaagacaa ggaagtgcag gtttcctgtt gctcacacag 180
tgcttcctgt ctgctgtggc aggagccggg aggaagggag cgagccaaga ggggtgctgc 240
ccaccggaaa cgatggcgcg aggccgcaga gctaaatggg ggcctctcca gggagtgctc 300
tgttcacggc tccatcgctg ttagtaagta tcttgtgatt tcggaattta aatgaggttg 360
tgtttaacct gcataacatc tggcttttaa aatctgactt tattttcctt ttatttctgt 420
qcatcggctc aggcacactt agtggtggct taggtgttga agtcaggtta ccaaacagca 480
egecetetet ttatteteag getgegtgtt teattgatte tgaaggteag atggetgtgt 540
tcaagttctg ttagtatatt ggtgtcagaa atgaaaagat gatgtaaccc tttataactt 600
cttaaaggct catatcatgt caggaaatta acctgtacga gttatggaca aatgcccatc 660
ctgatgattt tcanccatga aaatgaatna aagggganaa gggcca
<210> 265
<211> 717
<212> DNA
<213> Homo sapiens
<400> 265
ggcacgagca gcattacggt ttatacacat gtccacaact cagcattgct ttcaaaatag 60
gaacacttta ttagtaaaga ggaagaaatt gcctaaacag actcagtgtc tttcccataa 120
caatcatctg ccaageegea ggeetaacea ggaaateeea ttteettttg gegttgtgte 180
ctccaccaac agatacaacc ctgatgccaa atgttgtatg gtttgtaggt gttgtgagcc 240
aatgagggca tgcctagggc caaaggctgc cctttggaat gagggcaagg tcgtagactc 300
catcaaacaa caaatgcatc ctcctccaaa atcaaatgct caacacatgc agcctttcgt 360
atgcccatct cccctttact cattttcatg gctgaaaatc atcaggatgg gcatttgtcc 420
ataactccta caggttaatt tcctgacatg atatgagcct ttaagaagtt ataaagggtt 480
acatcatctt ttcatttctg acaccaatat actaacagaa cttgaacaca gccatctgac 540
cttcaqaatc aatqaaacac qcaqcctqaq aataaaqaqa qqqcqtqctq tttqgtaacc 600
tgacttcaac acctaagcca ccactaagtg tgcctgagcc gatgcacaga aataaaagga 660
aaataaagtc agattttaaa aagccagatg ttatgcaggg taaacacaac ctcatta
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<210> 266
<211> 362
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 291, 296, 302, 308, 315, 323, 325, 335, 351
<223> n = A, T, C or G
<400> 266
ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
agtttccaaa gggccataaa ctgcacatat cagtactatg tgcaattaac acataattta 180
ttatgaaaat gtggacatgc caggtaagta aggggattta ggttgacttt ttataatact 240
ttaaatttga aatgccattt ctgtggattg gatgacatct tccaggtgct ntaatnctgg 300
gntacctnct gatanatect gananaaaga ggtancacca gegtetatea naceteaata 360
                                                                   362
<210> 267
<211> 692
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 153, 159, 160, 331, 362, 375, 393, 435, 438, 448, 450, 451,
460, 480, 486, 497, 509, 523, 530, 538, 539, 550, 669
<223> n = A, T, C or G
<400> 267
gqcacgaqqt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
agtttccaaa gggccataac tggccctttt aanactttnn gcaattaaca cataatttat 180
tatgaaaatg tggacatgcc aggtaagtaa ggggatttag gttgactttt tataatactt 240
taaatttqaa atqccatttc tqtqqattqq atqacatctt ccaggtqctt taatttggtt 300
tacctcctqa taqatcctqa caqaaaqagg nagcaccagc gtctatcaaa cctcaataca 360
qnqtqtqaaa cacanqaqag cctgcttttg tcnacacggg gaaacacatt gttatcacaa 420
cacacaaaag gcaanctncc aatggggnan ncttacctgn cctctcatat tgggggcaan 480
gaaaangggg cccccanatg gctgagtana tcccaaaaaa ccnccactan tggtcagnnt 540
gcttccccan acagccagat gactgaattt agcccaagct gcagtctcaa aaccagcttt 600
ctgacaatca gtaacaagaa catactggtc tgttgcagtg agctcaagtg ttgggtgttc 660
                                                                   692
agtcaaaanc catggatgcc aatcatctcc ca
<210> 268
<211> 605
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 21, 100, 331, 382, 403, 420, 432, 448, 461, 481, 554, 555,
565, 591, 594, 597, 605
```

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\langle 223 \rangle n = A, T, C or G
<400> 268
cgtgccgaat tcggcacgag ngcacatatc agtactatgt gcaattaaca cataatttat 60
tatgaaaatg tggacatgcc aggtaagtaa ggggatttan gttgactttt tataatactt 120
taaatttgaa atgccatttc tgtggattgg atgacatctt ccaggtgctt taatttggtt 180
tacctcctga tagatcctga cagaaagagg tagcaccagc gtctatcaaa cctcaataca 240
gttgtaaaac acagagagcc tgcttgccta cacatggaga aacattgtta tcacaagaca 300
caqaaqqcaa acttccaatc tqqcatactt ncctqtcctc tcatatttqg ggcaatgaga 360
atggtggacc agatggcttg antagatgcc aaagaacacc canactgggc agcatgcttn 420
cccagacage engaagactg aaatttante ecagetgeag nettaaacee tttttttgae 480
nttccgtaac cagaccatac tttttttct gatgcttttc ttaacttcat cttttccaat 540
taaattcatt agtnnaaccc taaanggggc ccgttttccg aaaaattttc nttnttnttt 600
                                                                    605
ccccn
<210> 269
<211> 535
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 185, 205, 213, 216, 220, 237, 251, 298, 304, 307, 331,
352, 447, 497, 500, 529
<223> n = A, T, C or G
<400> 269
gcacgaggng caaccccagg gtggggtctc tgggatgaac ctggagacct gagcttgcac 60
agetteettg gtaaattgag gaggeatgga ceacaagatt geeaagetee tttetateea 120
aacttqatat tqttaqattc catgatccag ttcatcacgg ttgatggctg aatctcatgc 180
actanaaaaa ggtaatataa aaganaaaaa tanaangatn ttcaagtgag tataaanacc 240
tttaatctca ntctttctag ttcaaagaga cggaacaatg agagatgctg gttcatanag 300
ctgntanatt taacttccac agatgactca ncagaggata actactaatc anagtacaac 360
atcaaaactq taaccaqtat aatcactqqa ttatqaqcaa ctcaaaataq ctccaqtttc 420
caaaqqqcca taaactgcca tatcaantac tatgtgccat taacccataa tttattatga 480
aaatqtqqac atqccanqtn aqtaaqqqqa tttagqgtga ctttttatna tactt
<210> 270
<211> 803
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 677, 687, 768, 772, 786, 790, 793
<223> n = A, T, C or G
<400> 270
gcacgagggc aaccccaggg tggggtctct gggatgaacc tggagacctg agcttgcaca 60
getteettgg taaattgagg aggeatggae cacaagattg ceaageteet ttetateeaa 120
acttgatatt gttagattcc atgatccagt tcatcacggt tgatggctga atctcatgca 180
ctagaaaaag gtaatataaa agaaaaaaat aaaaagatat tcaagtgagt ataaagacct 240
ttaatctcag tctttctagt tcaaaqaqac qqaacaatqa qaqatqctgg ttcatagagc 300
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tqttaqattt aacttccaca gatqactcag caqaggataa ctactaatca gagtacaaca 360

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tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtqqaca tqccaqqtaa qtaagqgqat ttaggttgac tttttataat actttaaatt 540
tgaaatgcca tttctgtgga ttggatgaca tcttccaggt gctttaattt ggtttacctc 600
ctgatagatc ctgacagaaa gaggtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgnttt gcctacncat ggagaacatt gttatcacaa gacacagaag 720
ggaactteea tetggetact taeetggett tatttttggg geaatganaa tngggggaee 780
                                                                   803
aatggntgan tanatgccaa aaa
<210> 271
<211> 836
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 623, 682, 718, 768, 781, 785, 787, 794, 804, 811, 816, 822,
<223> n = A, T, C or G
<400> 271
gcacgagggc aaccccaggg tggggtctct gggatgaacc tggagacctg agcttgcaca 60
getteettgg taaattgagg aggeatggae cacaagattg ceaageteet ttetateeaa 120
acttgatatt gttagattcc atgatccagt tcatcacggt tgatggctga atctcatgca 180
ctagaaaaag qtaatataaa agaaaaaaat aaaaagatat tcaagtgagt ataaagacct 240
ttaatctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgttagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat actttaaatt 540
tqaaatqcca tttctqtqqa ttqqatqaca tcttccaggt gctttaattt ggtttacctc 600
ctgatagatc ctgacagaaa gangtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgcttt gnctacacat ggagaaacat tgtatcacaa gacacagnaa 720
ggcaacttcc atctgggata ctacctgtct ctctatttgg ggcatganat ggggacaatg 780
ntgananatg caanacacca atgngagetg nttccnacag cnatatgatt ntccat
<210> 272
<211> 203
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 19, 42, 46, 53, 62, 63, 74, 84, 89, 109, 112, 119, 120, 128,
133, 139, 144, 148, 176, 187, 194, 197, 201
<223> n = A, T, C or G
<400> 272
ggagaattgg gcccgtcang ggtgcattct gcatcacctg anttcnaaat ctnagtcaat 60
cnncgtacta atantatcaa catnatttna acctgatctc cactgcttng tnattttcnn 120
ttcactgncc ctntcactng aacntctntt cacacagcca ccccccatta tctggntggc 180
acctccncca aatnccncct naa
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<210> 273

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<211> 594
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 10, \overline{17}, 55, 80, 96, 156, 164, 171, 176, 180, 204, 211, 224,
242, 253, 265, 282, 284, 292, 313, 314, 319, 329, 338, 340,
348, 357, 359, 370, 377, 390, 396, 407, 420, 437, 439, 440,
456, 457, 479, 490, 520, 524, 541, 546, 557, 571, 575
<223> n = A, T, C or G
<400> 273
attegggeen etggatnegt getegagegg eegeegetgt gatggatate tgeanaatte 60
ggcttctgga gagagctttn tttttgatgg ttgcangtac tctcgatgga gttggtgggt 120
gtggttatct ctctctggtt gtctttctgt ataaanttct tgcnctgact ncctanctcn 180
cctcccctg gtccttccct tagngtaaca nctggtaatc cctntcttct ttgctctcct 240
tnottotoot ganegattte etetnittgt coactotoag gnanaaccot gniggioagt 300
gttcatgact tcnngaagnt cgacccgcna aatagggncn cacggatnat gttgaancng 360
qqaaqqqaqn qtccaanttc tctgttccan aggctnagcc tagaganaat gatgggagan 420
ggtttactga gatcatngnn tcttctcgaa gatatnnttt agggtggtcc cccataagng 480
aatttetean etteaaatet tetaataeat taetgaacan etgneatttg ttaegeeaca 540
nattgnaatt ctccatntct ttttagaaac nattncaagg tcatttattt ccct
<210> 274
<211> 229
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
\langle 222 \rangle 24, \overline{3}1, 38, 49, 55, 62, 63, 75, 86, 113, 116, 122, 127, 142,
148, 150, 162, 171, 176, 184, 185, 190, 201, 207, 212, 215,
218, 227
<223> n = A, T, C or G
<400> 274
ctactcactg tccggccatt tggncctctg natgcatnct caagcagenc gccantatga 60
thnatatotq cacanttoaq ottotnqaqa aaactatgtt ttaaacagtt gontanactt 120
anaatanaaa togagtaagg tntagatnan tototaacga tngaattatt ntacanaggg 180
gtanncgatn accaggagta nctaganttg ancancancc taggtcnga
                                                                     229
<210> 275
<211> 651
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 8, 18, 25, 34, 36, 87, 139, 140, 165, 168, 187, 222, 237,
262, 268, 271, 286, 288, 296, 301, 315, 329, 338, 356, 359,
365, 368, 402, 416, 445, 490, 500, 522, 528, 538, 542, 550,
562, 565, 569, 577, 581, 587, 589, 597, 610, 640
<223> n = A, T, C or G
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<400> 275
atatctgntg aatacggntt cctgnaaaaa ggtntnattt agatggttga gtccgactca 60
gcgatgcgac ttggtgggtg tggtcantct cttatggttg agattgttca tgatatcatg 120
ccctgagatg cctggactnn cctcaccgga gatcctagac ggtgntancc cctgagagtc 180
tototontoc tgototocta acttotocta atgatocoto cnattgtota otgtocnatt 240
gaaccettet tgettatgta tneaatentt nacggtgtee etgetnantt tttganacga 300
ngctcataat ggacngggga aggatagtnt gaataatntc ctgtataccc acgccnacnt 360
ctachetntq atetgacaeq gtataetgat ttgtgetgtt enetteaeca ttecanttte 420
taccttccgc tcatatgctc tgtangctac accctctgtg actgctttct cagttacgtg 480
caacaaggtn ttcatatctn gaactcttac accattctag anggatcncc cctcgganaa 540
antttggaan aacaagcaag ancanaatne etetetngtg ntacaenane eggettnegt 600
atcctcqttn aaggaattcc ccqctttcct gggctttaan tctcctaaac t
<210> 276
<211> 392
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 18, 24, 27, 35, 41, 49, 55, 60, 86, 87, 92, 96, 101, 115,
140, 156, 157, 166, 188, 189, 197, 206, 210, 222, 254, 256,
264, 265, 288, 289, 293, 300, 305, 311, 312, 320, 332, 333,
343, 362, 366, 371, 384
<223> n = A, T, C or G
<400> 276
acceccccg aattacgntg gccnatntaa aagtncatca ngcctccang caacntatcn 60
tttcattacc acccacactc ctgttnnggg anggangtgg naatccttca ccatnctaat 120
gtatgtggtg ctctcatgcn ggtacgtata atctanncgt cccctnaaat cggatgcttc 180
tgtaatcnnc agtcacnaaa ccacanggan caactgaaac angatttggc taacagccaa 240
tgtctgggcc ctcncnaatc cctnnaatat ctcctacacc tgtagtanna atnaactacn 300
ctacnctatt nnacacacgn tttaggttgt annaccaagc ccntattgag tgaaatcgtt 360
tntatngtat naaatgccaa aagntgcggt aa
<210> 277
<211> 212
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 11, 17, 22, 25, 29, 38, 57, 61, 64, 73, 80, 108, 110, 115,
181, 186, 189, 200
<223> n = A, T, C or G
<400> 277
ggtttgcggg natgaanttt gnaanaatna actttagnga taacccaccc accaatncct 60
nctnagtatt tgncaacctn aaaactacag ctctctccag atagactntn ccttnctgat 120
ttcaactctc cttggactgg tcagcctgaa gggtggtaat gactcaccaa cgctactaat 180
                                                                   212
nccttnttna ctgtgccttn atttttcgc ct
```

<210> 278

#1

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<211> 269
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 2, 3, 37, 55, 60, 63, 78, 97, 101, 142, 145, 150, 170,
186, 189, 202, 204, 216, 243, 247, 251, 256, 262, 267
<223> n = A, T, C or G
<400> 278
nnntccatcc taataccact cactateggg ctegaanegg cegeceggge aegtntettn 60
tgngacagga tctgaatnaa gggtggtttg taacttnact naaaattctg aaatgatcct 120
gcatcagaca gggttctccg tntanaatan agtttccctg ttagttatcn agcctgggca 180
qqqqanqana qattcqaqqa cntntqaaat qaaqqnatta tttaggatgg gtgactcatt 240
ccnaccnttc ncgctnacca gnccganga
<210> 279
<211> 266
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 9, 12, 19, 32, 34, 51, 52, 60, 65, 68, 72, 128, 132, 142,
144, 149, 174, 181, 182, 203, 208, 209, 244, 247, 254
<223> n = A, T, C or G
<400> 279
gttggtgant engtttggng tetteetggt gntnggtgtt tggtgtgttg nnttgttgtn 60
qqqtnqtntt tntqqaqaqa qttqtaqttc qtqaqqqttq caqtqtactt actatgqaqc 120
ctaaggangt gngctaactt anantgatna ctttgctcat actgccctgc cctnaatgcc 180
nngcttgcct caccetggtg cenaacenna tegaacacet aacagtetag taggettett 240
                                                                   266
gctntancag actnctcttg aggatc
<210> 280
<211> 317
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 8, 15, 21, 24, 36, 41, 72, 97, 112, 114, 117, 142, 151, 167,
176, 177, 178, 224, 231, 238, 247, 277, 285, 293, 299, 304
<223> n = A, T, C or G
<400> 280
acactgtnag gtgtntggaa ntgntgtagg catagnettt ntggcacaga gttggageeg 60
tgaggcatag cntgtactta ctatggagcc taaggangga gctaacttat antnatnact 120
ttgctcatac tgccctgctc tnaatgccta ngcttgcctc accctgntgc cttacnnnat 180
cgaacaccta cgcggtctat aggcttcttg ctctatcagg actnctcttc nagcttcntc 240
geeteantty acteactyty etegyteytt etactynyat ceagnegete atnaacetna 300
                                                                   317
cttnggacgc aggtcat
```

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<210> 281
<211> 174
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
\langle 222 \rangle 2, 47, 111, 125, 140, 147, 150, 154, 159
<223> n = A, T, C or G
<400> 281
qnqqtcatat tatacatcta aqqcatqqcc aactccacqc cattatnaat tccatcqtac 60
tgtccgcagt cactacttat aacctagatt aatagtgcct ggccccggac ngtctgtgca 120
atctnccgcc ataccaattn cgatccncan accncgatna cactcctcct tact
<210> 282
<211> 169
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 73, 108, 113, 115, 146, 161
<223> n = A, T, C or G
<400> 282
ategeagett gtacgategt catataaege geatgtgegg ategetteag egeegeeega 60
ctgtcagaag gangagatct tttttatcac ttgtttgttt gactatanat aanancgact 120
                                                                     169
acagcattga tgtgtgtcct caaganttgt ctgggtctga naaagctga
<210> 283
<211> 157
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 3, 5, 36, 50, 67, 80, 87, 130, 133, 139, 145
<223> n = A, T, C or G
<400> 283
ggntntctaa gatcgcagtt gtacgatcgt catatnacgc gcatgtgcgn atcgcttcac 60
gtcgccnggc tgtccaggan atgcatntca acataatgtg cactctatat ggttattgat 120
taatacgagn tangagcana tatcngatac aacacaa
                                                                     157
<210> 284
<211> 133
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> 3, 11, 21, 36, 37, 92, 102, 122
<223> n = A, T, C or G
```

```
<400> 284
ggngtggtgt nagatacgca ngctgggacg aatcgnntca tagtacggcg catgtgttga 60
tcaattctga aaatccatcc cggcgcgctc ancatgcact anagggcaat cgcctatatg 120
                                                                    133
antcgtatta caa
<210> 285
<211> 194
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 1, 3, 6, 26, 31, 35, 38, 55, 57, 62, 68, 77, 79, 104, 107,
119, 120, 124, 129, 130, 136, 146, 149, 156, 161, 165, 172,
179, 191
<223> n = A, T, C or G
<400> 285
ntntgngtga tgatacccaa gctggntacc nactngantc caattaccgg ctcantntgc 60
tngaaacngc ttcgatngnc tcctggcatg tacttgaaac aggntanata tctaatagnn 120
tacngtgtnn ttttcnatca tacagnttnt atattncact ncctnccatt cntttctant 180
                                                                    194
ctctctccc ntat
<210> 286
<211> 134
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 6, 7, 29, 41, 66, 73, 86, 93, 108, 128
<223> n = A, T, C \text{ or } G
<400> 286
gagggnntat gataccaage tggtacgane cegteactat nacggeecag tgtgtggate 60
cgctanctgg tenegegatg tetaencaea egngaactge etetegenaa gateteetet 120
                                                                     134
cctctccnaa gaga
<210> 287
<211> 119
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 2, 26, 78, 83, 101
<223> n = A, T, C or G
<400> 287
tngggtatat ccagttgtac actggncata tacgcgcatt atgatcgttt cacgcccgga 60
qtacqqcatc attacqanat ggnctcattc gtttaccttt ntcgctggac acaagcgtc 119
<210> 288
```

```
<211> 170
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 4, 13, 39, 44, 107, 122, 158, 162
<223> n = A, T, C or G
<400> 288
gggntgagat acncaagttg gtacgagtcg gatcatatna cggncgccat tttctggaat 60
ccgcttacgt ggtcccggcg aagtactttt tcatgccttg caaaatngcg ttactgcact 120
ancttgctta acctatgagt ggggtctttc ataccccntc tntcatggaa
<210> 289
<211> 126
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 19, 24, 46, 74, 84, 86, 109, 121
<223> n = A, T, C or G
<400> 289
ggccaattgg ggcctctana tgcntgctcg aacgggcgcc aatttnatgg atatctccaa 60
aatteggett acentggteg eggnenaagt acttaactea atecatetnt eacteaggat 120
                                                                    126
naatgc
<210> 290
<211> 126
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> 19, 24, 46, 74, 84, 86, 109, 121
<223> n = A, T, C or G
<400> 290
ggccaattgg ggcctctana tgcntgctcg aacgggcgcc aatttnatgg atatctccaa 60
aatteggett acentggteg eggnenaagt acttaactea atecatetnt cacteaggat 120
                                                                    126
naatgc
<210> 291
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR primer
<400> 291
                                                                    27
cacatgtgca tccaggggag tcagttc
```

```
<210> 292
<211> 34
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR primer
<400> 292
                                                                   34
cgttagaatt catcaattcc tccgaagctc aaac
<210> 293
<211> 702
<212> DNA
<213> Homo sapiens
<400> 293
atgrageate accaecatea ceaceaeatg tgeateragg ggagteagtt caaegtegag 60
gtoggcagaa gtgacaagct ttccctgcct ggctttgaga acctcacagc aggatataac 120
aaatttctca ggcccaattt tggtggagaa cccgtacaga tagcgctgac tctggacatt 180
qcaagtatct ctagcatttc agagagtaac atggactaca cagccaccat atacctccga 240
cagcgctgga tggaccagcg gctggtgttt gaaggcaaca agagcttcac tctggatgcc 300
cgcctcgtgg agttcctctg ggtgccagat acttacattg tggagtccaa gaagtccttc 360
ctccatgaag tcactgtggg aaacaggctc atccgcctct tctccaatgg cacggtcctg 420
tatgccctca gaatcacgac aactgttgca tgtaacatgg atctgtctaa ataccccatg 480
gacacacaga catgcaagtt gcagctggaa agctggggct atgatggaaa tgatgtggag 540
ttcacctggc tgagagggaa cgactctgtg cgtggactgg aacacctgcg gcttgctcag 600
tacaccatag agcggtattt caccttagtc accagatcgc agcaggagac aggaaattac 660
                                                                   702
actagattgg tcttacagtt tgagcttcgg aggaattgat ga
<210> 294
<211> 232
<212> PRT
<213> Homo sapiens
<400> 294
Met Gln His His His His His His Met Cys Ile Gln Gly Ser Gln
Phe Asn Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe
                                 25
Glu Asn Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly
Gly Glu Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser
                         55
                                             60
Ser Ile Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg
                     70
                                         75
Gln Arg Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe
                 85
                                     90
Thr Leu Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr
                                 105
            100
Ile Val Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn
                                                 125
                             120
        115
Arg Leu Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg
```

.

```
135
                                          140
Ile Thr Thr Thr Val Ala Cys Asn Met Asp Leu Ser Lys Tyr Pro Met
                       155
           150
Asp Thr Gln Thr Cys Lys Leu Gln Leu Glu Ser Trp Gly Tyr Asp Gly
                    170
              165
Asn Asp Val Glu Phe Thr Trp Leu Arg Gly Asn Asp Ser Val Arg Gly
           180
                              185
Leu Glu His Leu Arg Leu Ala Gln Tyr Thr Ile Glu Arg Tyr Phe Thr
                           200
Leu Val Thr Arg Ser Gln Gln Glu Thr Gly Asn Tyr Thr Arg Leu Val
                       215
Leu Gln Phe Glu Leu Arg Arg Asn
<210> 295
<211> 204
<212> PRT
<213> Homo sapiens
<400> 295
Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu
                5
                                  10
Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala
                               25
Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val
                           40
Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu
Ile Gly Ala Val Lys His His Gln Val Leu Leu Phe Phe Tyr Met Ile
                  70
                                       75
Ile Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys
                                  90
Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp
                              105
           100
Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys
                           120
Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys
                       135
                                           140
Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu
                   150
                                       155
Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe
                                  170
               165
Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
                              185
Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
                           200
       195
```

<210> 296 <211> 615

<212> DNA

<213> Homo sapiens

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<400> 296
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accttggtta gtctgctgct aattggaatt gctgcgtggg gcattggctt cgggctgatt 120
tecagtetee gagtggtegg egtggteatt geagtgggea tettettgtt eetgattget 180
ttagtgggtc tgattggagc tgtaaaacat catcaggtgt tgctattttt ttatatgatt 240
attctgttac ttgtatttat tgttcagttt tctgtatctt gcgcttgttt agccctgaac 300
caggagcaac agggtcagct tctggaggtt ggttggaaca atacggcaag tgctcgaaat 360
gacatccaga gaaatctaaa ctgctgtggg ttccgaagtg ttaacccaaa tgacacctgt 420
ctggctagct gtgttaaaag tgaccactcg tgctcgccat gtgctccaat cataggagaa 480
tatgctggag aggttttgag atttgttggt ggcattggcc tgttcttcag ttttacagag 540
atcctgggtg tttggctgac ctacagatac aggaaccaga aagacccccg cgcgaatcct 600
                                                                   615
agtgcattcc tttga
<210> 297
<211> 1831
<212> DNA
<213> Homo sapiens
<400> 297
geogegeege cegeacgtgg cageceeagg ecceggeece ceaeceaegt etgegttget 60
qccccqcctq qgccaggccc aaaggcaagg acaaagcagc tgtcagggaa cctccgccgg 120
agtegaattt acgtgcaget geeggcaace acaggtteca agatggtttg egggggette 180
gcgtgttcca agaactgcct gtgcgccctc aacctgcttt acaccttggt tagtctgctg 240
ctaattggaa ttgctgcgtg gggcattggc ttcgggctga tttccagtct ccgagtggtc 300
ggcgtggtca ttgcagtggg catcttcttg ttcctgattg ctttagtggg tctgattgga 360
gctgtaaaac atcatcaggt gttgctattt ttttatatga ttattctgtt acttgtattt 420
attgttcagt tttctgtatc ttgcgcttgt ttagccctga accaggagca acagggtcag 480
cttctggagg ttggttggaa caatacggca agtgctcgaa atgacatcca gagaaatcta 540
aactgctgtg ggttccgaag tgttaaccca aatgacacct gtctggctag ctgtgttaaa 600
agtgaccact cgtgctcgcc atgtgctcca atcataggag aatatgctgg agaggttttg 660
agatttgttg gtggcattgg cctgttcttc agttttacag agatcctggg tgtttggctg 720
acctacagat acaggaacca gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga 780
gaaaacaagg aagattteet ttegtattat gatettgtte aetttetgta attttetgtt 840
aagctccatt tgccagttta aggaaggaaa cactatctgg aaaagtacct tattgatagt 900
ggaattatat atttttactc tatgtttctc tacatgtttt tttctttccg ttgctgaaaa 960
atatttgaaa cttgtggtct ctgaagctcg gtggcacctg gaatttactg tattcattgt 1020
cgggcactgt ccactgtggc ctttcttagc atttttacct gcagaaaaac tttgtatggt 1080
accactgtgt tggttatatg gtgaatctga acgtacatct cactggtata attatatgta 1140
qcactqtqct qtqtagataq ttcctactqq aaaaaqagtq gaaatttatt aaaatcagaa 1200
agtatgagat cctgttatgt taagggaaat ccaaattccc aatttttttt ggtcttttta 1260
ggaaagatgt gttgtggtaa aaagtgttag tataaaaatg gataatttac ttgtgtcttt 1320
tatgattaca ccaatgtatt ctagaaatag ttatgtctta ggaaattgtg gtttaatttt 1380
tgacttttac aggtaagtgc aaaggagaag tggtttcatg aaatgttcta atgtataata 1440
acatttacct tcagcctcca tcagaatgga acgagttttg agtaatcagg aagtatatct 1500
atatgatctt gatattgttt tataataatt tgaagtctaa aagactgcat ttttaaacaa 1560
gttagtatta atgcgttggc ccacgtagca aaaagatatt tgattatctt aaaaattgtt 1620
aaataccgtt ttcatgaaag ttctcagtat tgtaacagca acttgtcaaa cctaagcata 1680
tttgaatatg atctcccata atttgaaatt gaaatcgtat tgtgtggctc tgtatattct 1740
gttaaaaaat taaaggacag aaacctttct ttgtgtatgc atgtttgaat taaaagaaag 1800
                                                                   1831
taatggaaga attgatcgat gaaaaaaaaa a
<210> 298
<211> 25
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<212> DNA

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<213> Artificial Sequence
<220>
<223> PCR primer
<400> 298
                                                                   25
cactgcgctt gtttagccct gaacc
<210> 299
<211> 33
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR primer
<400> 299
                                                                    33
ccgaagaatt catcaaaatc tcaaaacctc tcc
<210> 300
<211> 258
<212> DNA
<213> Homo sapiens
<400> 300
atgcagcatc accaccatca ccaccactgc gcttgtttag ccctgaacca ggagcaacag 60
ggtcagcttc tggaggttgg ttggaacaat acggcaagtg ctcgaaatga catccagaga 120
aatctaaact gctgtgggtt ccgaagtgtt aacccaaatg acacctgtct ggctagctgt 180
gttaaaagtg accactcgtg ctcgccatgt gctccaatca taggagaata tgctggagag 240
                                                                    258
gttttgagat tttgatga
<210> 301
<211> 84
<212> PRT
<213> Homo sapiens
<400> 301
Met Gln His His His His His His Cys Ala Cys Leu Ala Leu Asn
                                     10
Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp Asn Asn Thr Ala
                                 25
Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys Cys Gly Phe Arg
        35
                             40
Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys Val Lys Ser Asp
                         55
                                             60
His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu Tyr Ala Gly Glu
                     70
                                         75
Val Leu Arg Phe
<210> 302
<211> 1598
<212> DNA
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<213> Homo sapiens

```
<400> 302
tctaaggcac agtatcattt tcagtactga caaggtgttt cattttatat ggttgtcata 60
ataaggcaaa ttcattttgt acgctttata ttttcaaacc cagcaagctc taaaagggac 120
ataaaataac ttagaaattg ggaaagacgg gcatgtgtat gatcatgata ttcatcccct 180
gccccagaac aaatgggagg aacacattgc ccaaaactca cgtctggagc tctttcaaca 240
tgtctccctg atgaccctgg acagcatcat gaagtgtgcc ttcagccacc agggcagcat 300
ccagttggac agtaccctgg actcatacct gaaagcagtg ttcaacctta gcaaaatctc 360
caaccagege atgaacaatt ttetacatea caacgaeetg gtttteaaat teagetetea 420
aggccaaatc ttttctaaat ttaaccaaga acttcatcag ttcacagaga aagtaatcca 480
ggaccggaag gagtetetta aggataaget aaaacaagat actaeteaga aaaggegetg 540
ggattttctg gacatacttt tgagtgccaa aagcgaaaac accaaagatt tctctgaagc 600
agatetecag getgaagtga aaaegtteat gtttgeagga catgaeacea cateeagtge 660
tatctcctgg atcctttact gcttggcaaa gtaccctgag catcagcaga gatgccgaga 720
tgaaatcagg gaactcctag gggatgggtc ttctattacc tgggaacacc tgagccagat 780
gccttacacc acgatgtgca tcaaggaatg cctccgcctc tacgcaccgg tagtaaacat 840
atcccggtta ctcgacaaac ccatcacctt tccagatgga cgctccttac ctgcaggaat 900
aactgtgttt atcaatattt gggctcttca ccacaacccc tatttctggg aagaccctca 960
ggtctttaac cccttgagat tctccaggga aaattctgaa aaaatacatc cctatgcctt 1020
cataccattc tcagctggat taaggaactg cattgggcag cattttgcca taattgagtg 1080
taaagtggca gtggcattaa ctctgctccg cttcaagctg gctccagacc actcaaggcc 1140
tececaquet gttegteaag ttgteeteaa gteeaagaat ggaateeatg tgtttgeaaa 1200
aaaagtttgc taattttaag tootttogta taagaattaa tgagacaatt ttootaccaa 1260
aggaagaaca aaaggataaa tataatacaa aatatatgta tatggttgtt tgacaaatta 1320
tataacttag gatacttctg actggttttg acatccatta acagtaattt taatttcttt 1380
gctgtatctg gtgaaaccca caaaaacacc tgaaaaaact caagctgact tccactgcga 1440
agggaaatta ttggtttgtg taactagtgg tagagtggct ttcaagcata gtttgatcaa 1500
aactccactc agtatctgca ttacttttat ctctgcaaat atctgcatga tagctttatt 1560
ctcagttatc tttccccata ataaaaaata tctgccac
                                                                   1598
<210> 303
<211> 963
<212> DNA
<213> Homo sapiens
<400> 303
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agtaccetgg acteatacet gaaageagtg tteaacetta geaaaatete eaaceagege 120
atgaacaatt ttctacatca caacgacctg gttttcaaat tcagctctca aggccaaatc 180
ttttctaaat ttaaccaaga acttcatcag ttcacagaga aagtaatcca ggaccggaag 240
gagtctctta aggataagct aaaacaagat actactcaga aaaggcgctg ggattttctg 300
gacatacttt tgagtgccaa aagcgaaaac accaaagatt tctctgaagc agatctccag 360
gctgaagtga aaacgttcat gtttgcagga catgacacca catccagtgc tatctcctgg 420
atcctttact gcttggcaaa gtaccctgag catcagcaga gatgccgaga tgaaatcagg 480
gaactcctag gggatgggtc ttctattacc tgggaacacc tgagccagat gccttacacc 540
acgatgtgca tcaaggaatg cctccgcctc tacgcaccgg tagtaaacat atcccggtta 600
ctcgacaaac ccatcacctt tccagatgga cgctccttac ctgcaggaat aactgtgttt 660
atcaatattt gggctcttca ccacaacccc tatttctggg aagaccctca ggtctttaac 720
cccttgagat tctccaggga aaattctgaa aaaatacatc cctatgcctt cataccattc 780
tcagctggat taaggaactg cattgggcag cattttgcca taattgagtg taaagtggca 840
 gtggcattaa ctctgctccg cttcaagctg gctccagacc actcaaggcc tccccagcct 900
gttcgtcaag ttgtcctcaa gtccaagaat ggaatccatg tgtttgcaaa aaaagtttgc 960
 taa
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<210> 304

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<211> 2015
<212> DNA
<213> Homo sapiens
<400> 304
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cattetecet ggeteagtte teteaggete tecagagete aggaeetetg agaagaatgg 120
agecetectg getteaggaa eteatggete acceettett getgetgate eteetetgea 180
tgtctctgct gctgtttcag gtaatcaggt tgtaccagag gaggagatgg atgatcagag 240
ccctgcacct gtttcctgca cccctgccc actggttcta tggccacaag gagttttacc 300
cagtaaagga gtttgaggtg tatcataagc tgatggaaaa atacccatgt gctgttccct 360
tgtgggttgg accetttacg atgttettea gtgteeatga eccagaetat geeaagatte 420
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